YORK®
Heating and Air Conditioning

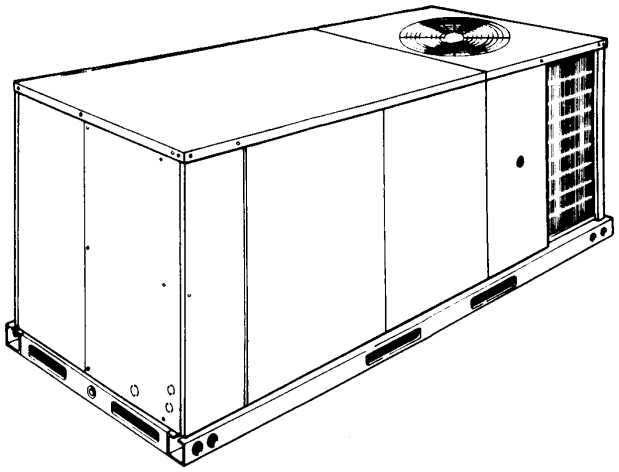
TECHNICAL GUIDE

SINGLE PACKAGE GAS/ELECTRIC UNITS AND SINGLE PACKAGE AIR CONDITIONERS

DJ 036, 048 & 060

3, 4 & 5 NOMINAL TONS

13.40 to 13.50 SEER



DESCRIPTION

YORK Sunline Magnum™ units are convertible single package air conditioners with a common cabinet and a common roof curb for the 3, 4 and 5 ton sizes. The units were designed for light commercial and commercial applications. They can easily be installed on a roof curb, slab, roof jack or frame.

All units include:

- Powder Paint finish that meets ASTM-B-117 1000 hour salt spray standards
- Permanently lubricated motors
- Bottom or side air discharge configuration capability (field convertible)
- Manufactured under the quality standards of ISO9001
- Simplicity™ Control Board
- Copper tube/aluminum fin coils
- Easy access to all components
- Rigging holes in base rails for lifting
- Fork lift slots on three sides
- Single point power connection
- Complete factory package - tested, charged and wired
- Belt Drive Indoor Blower
- CSA agency listing on all units

WARRANTY

- Factory Limited Parts Warranty
- One-year parts warranty
- A Five-year parts warranty on the compressor and electric heat elements.
- Ten-year parts warranty on the gas-fired heat exchangers.

FOR DISTRIBUTION USE ONLY - NOT TO BE USED AT POINT OF RETAIL SALE

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PRODUCT NOMENCLATURE

3-5 Ton Sunline Magnum™ Model Number Nomenclature

D J 036 N04 N 2 A AA 1

Product Category
D = Air Cond., Single Pkg, R-22

Product Identifier
J = Ultra Efficiency - Belt Drive Only

Nominal Cooling Capacity - MBH
036 = 3 Ton
048 = 4 Ton
060 = 5 Ton

Heat Type & Nominal Heat Capacity
C00 = Cooling Only. Suitable for field installed electric heat

Gas Heat Options
N04 = 40 MBH Output Aluminized Steel, 1 Stage (036)
N06 = 60 MBH Output Aluminized Steel, 1 Stage (048)
N08 = 80 MBH Output Aluminized Steel, 1 Stage (036,060,072)
N10 = 100 MBH Output Aluminized Steel ,1 Stage (048,060,072)
D06 = 60 MBH Output Aluminized Steel, 2 Stage (036,048,060,072)
D10 = 100 MBH Output Aluminized Steel, 2 Stage (036*,048,060,072)
S04 = 40 MBH Output Stainless Steel, 1 Stage (036)
S06 = 60 MBH Output Stainless Steel, 1 Stage (048)
S08 = 80 MBH Output Stainless Steel, 1 Stage (036,060,072)
S10 = 100 MBH Output Stainless Steel, 1 Stage (048,060,072)
T06 = 60 MBH Output Stainless Steel, 2 Stage (036,048,060,072)
T10 = 100 MBH Output Stainless Steel, 2 Stage (036*,048,060,072)

Electric Heat Options
E05 = 5 KW Electric Heat
E07 = 7 KW Electric Heat
E10 = 10 KW Electric Heat
E15 = 15 KW Electric Heat
E20 = 20 KW Electric Heat
E30 = 30 KW Electric Heat

*** (D, T) 10 = 92 MBH Output on 036 Models**

Airflow
N = Belt Drive
P = Belt Drive/Single Input Econo
R = Belt Drive/Motorized Damper
Y = Belt Drive/BAS Ready Econ (No BAS Controller) w/2" Pleated Filters

Voltage
1 = 208/230-1-60
2 = 208/230-3-60
4 = 460-3-60
5 = 575-3-60

Installation Options
A = No Options Installed
B = Option 1
C = Option 2
D = Options 1 & 2
E = Option 3
F = Option 4
G = Options 1 & 3
H = Options 1 & 4
J = Options 1, 2 & 3
K = Options 1, 2, & 4
L = Options 1,3 & 4
M = Options 1, 2, 3, & 4
N = Options 2 & 3
P = Options 2 & 4
Q = Options 2, 3, & 4
R = Options 3 & 4
S = Option 5
T = Options 1 & 5
U = Options 1, 3, & 5
V = Options 1, 4, & 5
W = Options 1, 3, 4, & 5
X = Options 3 & 5
Y = Options 4 & 5
Z = Options 3, 4, & 5

Options
1 = Disconnect
2 = Non-Pwr'd Conv Oultet
3 = Smoke Detector S.A.
4 = Smoke Detector R.A.
5 = Pwr'd Conv. Outlet

Additional Options
(See Next Page)

Product Generation
1 = First Generation

PRODUCT NOMENCLATURE - Continued

3-5T Sunline Model Number Nomenclature

Standard Cabinet	
AA	None
AB	Phase Monitor
AC	Coil Guard
AD	Dirty Filter Switch
AE	Phase Monitor & Coil Guard
AF	Phase Monitor & Dirty Filter Switch
AG	Coil Guard & Dirty Filter Switch
AH	Phase Monitor, Coil Guard, & Dirty Filter Switch
AJ	SS Drain Pan
AK	SS Drain Pan & Phase Monitor
AL	SS Drain Pan & Coil Guard
AM	SS Drain Pan & Dirty Filter Switch
AN	SS Drain Pan, Phase Monitor, Coil Guard & Dirty Filter Switch
AS	Bottom Drain Connection
CA	CPC Controller with Dirty Filter Switch & Air Proving Switch
CB	CPC Controller, DFS, APS & Phase Monitor
CC	CPC Controller, DFS, APS & Coil Guard
CD	CPC Controller, DFS, APS, Phase Monitor, & Coil Guard
CE	CPC Controller, DFS, APS & Technicoat Cond. Coil
CF	CPC Controller, DFS, APS, Technicoat Cond. Coil, & Phase Monitor
CG	CPC Controller, DFS, APS, Technicoat Cond. Coil, & Coil Guard
CH	CPC Controller, DFS, APS, Technicoat Cond. Coil, Phase Monitor, & Coil Guard
CJ	CPC Controller, DFS, APS & Technicoat Evap. Coil
CK	CPC Controller, DFS, APS, Technicoat Evap. Coil, & Phase Monitor
CL	CPC Controller, DFS, APS, Technicoat Evap. Coil, & Coil Guard
CM	CPC Controller, DFS, APS, Technicoat Evap. Coil, Phase Monitor, & Coil Guard
CN	CPC Controller, DFS, APS & Technicoat Evap. & Cond Coils
CP	CPC Controller, DFS, APS, Technicoat Evap. & Cond Coils, & Phase Monitor
CQ	CPC Controller, DFS, APS, Technicoat Evap. & Cond Coils, & Coil Guard
CR	CPC Controller, DFS, APS, Technicoat Evap. & Cond Coils, Phase Monitor, & Coil Guard
CS	CPC Controller, DFS, APS, SS Drain Pan
CT	CPC Controller, DFS, APS, SS Drain Pan, Phase Monitor, & Coil Guard
CU	CPC Controller, DFS, APS, SS Drain Pan, & Technicoat Cond Coils
CV	CPC Controller, DFS, APS, SS Drain Pan, & Technicoat Evap Coil
CW	CPC Controller, DFS, APS, SS Drain Pan, & Technicoat Evap and Cond Coils
CX	CPC Controller, DFS, APS, SS Drain Pan, Phase Monitor, Coil Guard, & Technicoat Evap and Cond Coils
JA	Johnson UNT Controller with Dirty Filter Switch & Air Proving Switch
JB	Johnson UNT Controller, DFS, APS & Phase Monitor
JC	Johnson UNT Controller, DFS, APS & Coil Guard
JD	Johnson UNT Controller, DFS, APS, Phase Monitor, & Coil Guard
JE	Johnson UNT Controller, DFS, APS & Technicoat Cond. Coil
JF	Johnson UNT Controller, DFS, APS, Technicoat Cond. Coil, & Phase Monitor
JG	Johnson UNT Controller, DFS, APS, Technicoat Cond. Coil, & Coil Guard
JH	Johnson UNT Controller, DFS, APS, Technicoat Cond. Coil, Phase Monitor, & Coil Guard
JJ	Johnson UNT Controller, DFS, APS & Technicoat Evap. Coil
JK	Johnson UNT Controller, DFS, APS, Technicoat Evap. Coil, & Phase Monitor
JL	Johnson UNT Controller, DFS, APS, Technicoat Evap. Coil, & Coil Guard
JM	Johnson UNT Controller, DFS, APS, Technicoat Evap. Coil, Phase Monitor, & Coil Guard
JN	Johnson UNT Controller, DFS, APS & Technicoat Evap. & Cond Coils
JP	Johnson UNT Controller, DFS, APS, Technicoat Evap. & Cond Coils, & Phase Monitor
JQ	Johnson UNT Controller, DFS, APS, Technicoat Evap. & Cond Coils, & Coil Guard

Standard Cabinet	
JR	Johnson UNT Controller, DFS, APS, Technicoat Evap. & Cond Coils, Phase Monitor, & Coil Guard
JS	Johnson UNT Controller, DFS, APS, SS Drain Pan
JT	Johnson UNT Controller, DFS, APS, SS Drain Pan, Phase Monitor, & Coil Guard
JU	Johnson UNT Controller, DFS, APS, SS Drain Pan, & Technicoat Cond Coils
JV	Johnson UNT Controller, DFS, APS, SS Drain Pan, & Technicoat Evap Coil
JW	Johnson UNT Controller, DFS, APS, SS Drain Pan, & Technicoat Evap and Cond Coils
JX	Johnson UNT Controller, DFS, APS, SS Drain Pan, Phase Monitor, Coil Guard, & Technicoat Evap and Cond Coils
HA	Honeywell Excel 10 Controller with Dirty Filter Switch & Air Proving Switch
HB	Honeywell Excel 10 Controller, DFS, APS & Phase Monitor
HC	Honeywell Excel 10 Controller, DFS, APS & Coil Guard
HD	Honeywell Excel 10 Controller, DFS, APS, Phase Monitor, & Coil Guard
HE	Honeywell Excel 10 Controller, DFS, APS & Technicoat Cond. Coil
HF	Honeywell Excel 10 Controller, DFS, APS, Technicoat Cond. Coil, & Phase Monitor
HG	Honeywell Excel 10 Controller, DFS, APS, Technicoat Cond. Coil, & Coil Guard
HH	Honeywell Excel 10 Controller, DFS, APS, Technicoat Cond. Coil, Phase Monitor, & Coil Guard
HJ	Honeywell Excel 10 Controller, DFS, APS & Technicoat Evap. Coil
HK	Honeywell Excel 10 Controller, DFS, APS, Technicoat Evap. Coil, & Phase Monitor
HL	Honeywell Excel 10 Controller, DFS, APS, Technicoat Evap. Coil, & Coil Guard
HM	Honeywell Excel 10 Controller, DFS, APS, Technicoat Evap. Coil, Phase Monitor, & Coil Guard
HN	Honeywell Excel 10 Controller, DFS, APS & Technicoat Evap. & Cond Coils
HP	Honeywell Excel 10 Controller, DFS, APS, Technicoat Evap. & Cond Coils, & Phase Monitor
HQ	Honeywell Excel 10 Controller, DFS, APS, Technicoat Evap. & Cond Coils, & Coil Guard
HR	Honeywell Excel 10 Controller, DFS, APS, Technicoat Evap. & Cond Coils, Phase Monitor, & Coil Guard
HS	Honeywell Excel 10 Controller, DFS, APS, SS Drain Pan
HT	Honeywell Excel 10 Controller, DFS, APS, SS Drain Pan, Phase Monitor, & Coil Guard
HU	Honeywell Excel 10 Controller, DFS, APS, SS Drain Pan, & Technicoat Cond Coils
HV	Honeywell Excel 10 Controller, DFS, APS, SS Drain Pan, & Technicoat Evap Coil
HW	Honeywell Excel 10 Controller, DFS, APS, SS Drain Pan, & Technicoat Evap and Cond Coils
HX	Honeywell Excel 10 Controller, DFS, APS, SS Drain Pan, Phase Monitor, Coil Guard, & Technicoat Evap and Cond Coils
NA	Novar ETC-3 Controller with Dirty Filter Switch & Air Proving Switch
NB	Novar ETC-3 Controller, DFS, APS & Phase Monitor
NC	Novar ETC-3 Controller, DFS, APS & Coil Guard
ND	Novar ETC-3 Controller, DFS, APS, Phase Monitor, & Coil Guard
NE	Novar ETC-3 Controller, DFS, APS & Technicoat Cond. Coil
NF	Novar ETC-3 Controller, DFS, APS, Technicoat Cond. Coil, & Phase Monitor
NG	Novar ETC-3 Controller, DFS, APS, Technicoat Cond. Coil, & Coil Guard
NH	Novar ETC-3 Controller, DFS, APS, Technicoat Cond. Coil, Phase Monitor, & Coil Guard
NJ	Novar ETC-3 Controller, DFS, APS & Technicoat Evap. Coil
NK	Novar ETC-3 Controller, DFS, APS, Technicoat Evap. Coil, & Phase Monitor
NL	Novar ETC-3 Controller, DFS, APS, Technicoat Evap. Coil, & Coil Guard
NM	Novar ETC-3 Controller, DFS, APS, Technicoat Evap. Coil, Phase Monitor, & Coil Guard
NN	Novar ETC-3 Controller, DFS, APS & Technicoat Evap. & Cond Coils
NP	Novar ETC-3 Controller, DFS, APS, Technicoat Evap. & Cond Coils, & Phase Monitor
NQ	Novar ETC-3 Controller, DFS, APS, Technicoat Evap. & Cond Coils, & Coil Guard
NR	Novar ETC-3 Controller, DFS, APS, Technicoat Evap. & Cond Coils, Phase Monitor, & Coil Guard
NS	Novar ETC-3 Controller, DFS, APS, SS Drain Pan
NT	Novar ETC-3 Controller, DFS, APS, SS Drain Pan, Phase Monitor, & Coil Guard
NU	Novar ETC-3 Controller, DFS, APS, SS Drain Pan, & Technicoat Cond Coils
NV	Novar ETC-3 Controller, DFS, APS, SS Drain Pan, & Technicoat Evap Coil
NW	Novar ETC-3, DFS, APS, SS Drain Pan, & Technicoat Evap and Cond Coils
NX	Novar ETC-3 Controller, DFS, APS, SS Drain Pan, Phase Monitor, Coil Guard, & Technicoat Evap and Cond Coils
TA	Technicoat Condenser Coil
TB	Technicoat Condenser Coil & Phase Monitor
TC	Technicoat Condenser Coil & Coil Guard

Standard Cabinet	
TD	Technicoat Condenser Coil & Dirty Filter Switch
TE	Technicoat Condenser Coil, Phase Monitor, & Coil Guard
TF	Technicoat Condenser Coil, Phase Monitor, & Dirty Filter Switch
TG	Technicoat Condenser Coil, Coil Guard, & Dirty Filter Switch
TH	Technicoat Condenser Coil, Phase Monitor, Coil Guard, & Dirty Filter Switch
TJ	Technicoat Evaporator Coil
TK	Technicoat Evaporator Coil & Phase Monitor
TL	Technicoat Evaporator Coil & Coil Guard
TM	Technicoat Evaporator Coil & Dirty Filter Switch
TN	Technicoat Evaporator Coil, Phase Monitor, & Coil Guard
TP	Technicoat Evaporator Coil, Phase Monitor, & Dirty Filter Switch
TQ	Technicoat Evaporator Coil, Coil Guard, & Dirty Filter Switch
TR	Technicoat Evaporator Coil, Phase Monitor, Coil Guard, & Dirty Filter Switch
TS	Technicoat Evaporator & Condenser Coils
TT	Technicoat Evaporator & Condenser Coils & Phase Monitor
TU	Technicoat Evaporator & Condenser Coils & Coil Guard
TV	Technicoat Evaporator & Condenser Coils & Dirty Filter Switch
TW	Technicoat Evaporator & Condenser Coils, Phase Monitor, & Coil Guard
TX	Technicoat Evaporator & Condenser Coils, Phase Monitor, & Dirty Filter Switch
TY	Technicoat Evaporator & Condenser Coils, Coil Guard, & Dirty Filter Switch
TZ	Technicoat Evaporator & Condenser Coils, Phase Monitor, Coil Guard, & Dirty Filter Switch
T1	Technicoat Condenser & SS Drain Pan
T3	Technicoat Condenser Coil, SS Drain Pan, Phase Monitor, Coil Guard, & Dirty Filter Switch
T4	Technicoat Evaporator & SS Drain Pan
T6	Technicoat Evaporator Coil, SS Drain Pan, Phase Monitor, Coil Guard, & Dirty Filter Switch
T7	Technicoat Evaporator & Condenser Coils & SS Drain Pan
T9	Technicoat Evaporator & Condenser Coils, SS Drain Pan, Phase Monitor, Coil Guard, & Dirty Filter Switch
LA	Simplicity Intelli-Comfort Controller
LB	Simplicity Intelli-Comfort Controller, & Phase Monitor
LC	Simplicity Intelli-Comfort Controller, & Coil Guard
LD	Simplicity Intelli-Comfort Controller, Phase Monitor, & Coil Guard
LE	Simplicity Intelli-Comfort Controller, & Technicoat Cond. Coil
LF	Simplicity Intelli-Comfort Controller, Technicoat Cond. Coil, & Phase Monitor
LG	Simplicity Intelli-Comfort Controller, Technicoat Cond. Coil, & Coil Guard
LH	Simplicity Intelli-Comfort Controller, Technicoat Cond. Coil, Phase Monitor, & Coil Guard
LJ	Simplicity Intelli-Comfort Controller, & Technicoat Evap. Coil
LK	Simplicity Intelli-Comfort Controller, Technicoat Evap. Coil, & Phase Monitor
LL	Simplicity Intelli-Comfort Controller, Technicoat Evap. Coil, & Coil Guard
LM	Simplicity Intelli-Comfort Controller, Technicoat Evap. Coil, Phase Monitor, & Coil Guard
LN	Simplicity Intelli-Comfort Controller, & Technicoat Evap. & Cond Coils
LP	Simplicity Intelli-Comfort Controller, Technicoat Evap. & Cond Coils, & Phase Monitor
LQ	Simplicity Intelli-Comfort Controller, Technicoat Evap. & Cond Coils, & Coil Guard
LR	Simplicity Intelli-Comfort Controller, Technicoat Evap. & Cond Coils, Phase Monitor, & Coil Guard
LS	Simplicity Intelli-Comfort Controller, SS Drain Pan
LT	Simplicity Intelli-Comfort Controller, SS Drain Pan, Phase Monitor, & Coil Guard
LU	Simplicity Intelli-Comfort Controller, SS Drain Pan, & Technicoat Cond Coils
LV	Simplicity Intelli-Comfort Controller, SS Drain Pan, & Technicoat Evap Coil
LW	Simplicity Intelli-Comfort Controller, SS Drain Pan, & Technicoat Evap and Cond Coils
LX	Simplicity Intelli-Comfort Controller, SS Drain Pan, Phase Monitor, Coil Guard, & Technicoat Evap and Cond Coils
WA	Intelli-Comfort w/Mod Link Controller
WB	Intelli-Comfort w/Mod Link Controller, & Phase Monitor
WC	Intelli-Comfort w/Mod Link Controller, & Coil Guard
WD	Intelli-Comfort w/Mod Link Controller, Phase Monitor, & Coil Guard
WE	Intelli-Comfort w/Mod Link Controller, & Technicoat Cond. Coil

Standard Cabinet	
WF	Intelli-Comfort w/Mod Link Controller, Technicoat Cond. Coil, & Phase Monitor
WG	Intelli-Comfort w/Mod Link Controller, Technicoat Cond. Coil, & Coil Guard
WH	Intelli-Comfort w/Mod Link Controller, Technicoat Cond. Coil, Phase Monitor, & Coil Guard
WJ	Intelli-Comfort w/Mod Link Controller, & Technicoat Evap. Coil
WK	Intelli-Comfort w/Mod Link Controller, Technicoat Evap. Coil, & Phase Monitor
WL	Intelli-Comfort w/Mod Link Controller, Technicoat Evap. Coil, & Coil Guard
WM	Intelli-Comfort w/Mod Link Controller, Technicoat Evap. Coil, Phase Monitor, & Coil Guard
WN	Intelli-Comfort w/Mod Link Controller, & Technicoat Evap. & Cond Coils
WP	Intelli-Comfort w/Mod Link Controller, Technicoat Evap. & Cond Coils, & Phase Monitor
WQ	Intelli-Comfort w/Mod Link Controller, Technicoat Evap. & Cond Coils, & Coil Guard
WR	Intelli-Comfort w/Mod Link Controller, Technicoat Evap. & Cond Coils, Phase Monitor, & Coil Guard
WS	Intelli-Comfort w/Mod Link Controller, SS Drain Pan
WT	Intelli-Comfort w/Mod Link Controller, SS Drain Pan, Phase Monitor, & Coil Guard
WU	Intelli-Comfort w/Mod Link Controller, SS Drain Pan, & Technicoat Cond Coils
WV	Intelli-Comfort w/Mod Link Controller, SS Drain Pan, & Technicoat Evap Coil
WW	Intelli-Comfort w/Mod Link Controller, SS Drain Pan, & Technicoat Evap and Cond Coils
WX	Intelli-Comfort w/Mod Link Controller, SS Drain Pan, Phase Monitor, Coil Guard, & Technicoat Evap and Cond Coils

Hinged Filter Door & Toolless Access Cabinet	
BA	Hinged Filter Door & Toolless Access Panels
BB	Phase Monitor, Hinged Filter Door & Toolless Access Panels
BC	Coil Guard, Hinged Filter Door & Toolless Access Panels
BD	Dirty Filter Switch, Hinged Filter Door & Toolless Access Panels
BE	Phase Monitor & Coil Guard, Hinged Filter Door & Toolless Access Panels
BF	Phase Monitor & Dirty Filter Switch, Hinged Filter Door & Toolless Access Panels
BG	Coil Guard & Dirty Filter Switch, Hinged Filter Door & Toolless Access Panels
BH	Phase Monitor, Coil Guard, & Dirty Filter Switch, Hinged Filter Door & Toolless Access Panels
BJ	SS Drain Pan & Hinged Filter Door & Toolless Access Panels
BK	SS Drain Pan & Phase Monitor, Hinged Filter Door & Toolless Access Panels
BL	SS Drain Pan & Coil Guard, Hinged Filter Door & Toolless Access Panels
BM	SS Drain Pan & Dirty Filter Switch, Hinged Filter Door & Toolless Access Panels
BN	SS Drain Pan & Phase Monitor & Coil Guard, Dirty Filter Switch, Hinged Filter Door & Toolless Access Panels
BS	Bottom Drain Connection, Hinged Filter Door & Toolless Access Panels
DA	CPC Controller with Dirty Filter Switch & Air Proving Switch, Hinged Filter Door & Toolless Access Panels
DB	CPC Controller, DFS, APS & Phase Monitor, Hinged Filter Door & Toolless Access Panels
DC	CPC Controller, DFS, APS & Coil Guard, Hinged Filter Door & Toolless Access Panels
DD	CPC Controller, DFS, APS, Phase Monitor, & Coil Guard, Hinged Filter Door & Toolless Access Panels
DE	CPC Controller, DFS, APS & Technicoat Cond. Coil, Hinged Filter Door & Toolless Access Panels
DF	CPC Controller, DFS, APS, Technicoat Cond. Coil, & Phase Monitor, Hinged Filter Door & Toolless Access Panels
DG	CPC Controller, DFS, APS, Technicoat Cond. Coil, & Coil Guard, Hinged Filter Door & Toolless Access Panels
DH	CPC Controller, DFS, APS, Technicoat Cond. Coil, Phase Monitor, & Coil Guard, Hinged Filter Door & Toolless Access Panels
DJ	CPC Controller, DFS, APS & Technicoat Evap. Coil, Hinged Filter Door & Toolless Access Panels
DK	CPC Controller, DFS, APS, Technicoat Evap. Coil, & Phase Monitor, Hinged Filter Door & Toolless Access Panels
DL	CPC Controller, DFS, APS, Technicoat Evap. Coil, & Coil Guard, Hinged Filter Door & Toolless Access Panels
DM	CPC Controller, DFS, APS, Technicoat Evap. Coil, Phase Monitor, & Coil Guard, Hinged Filter Door & Toolless Access Panels
DN	CPC Controller, DFS, APS & Technicoat Evap. & Cond Coils, Hinged Filter Door & Toolless Access Panels
DP	CPC Controller, DFS, APS, Technicoat Evap. & Cond Coils, & Phase Monitor, Hinged Filter Door & Toolless Access Panels
DQ	CPC Controller, DFS, APS, Technicoat Evap. & Cond Coils, & Coil Guard, Hinged Filter Door & Toolless Access Panels
DR	CPC Controller, DFS, APS, Technicoat Evap. & Cond Coils, Phase Monitor, & Coil Guard, Hinged Filter Door & Toolless Access Panels
DS	CPC Controller, DFS, APS, SS Drain Pan Hinged Filter Door & Toolless Access Panels
DT	CPC Controller, DFS, APS, SS Drain Pan, Phase Monitor, & Coil Guard Hinged Filter Door & Toolless Access Panels
DU	CPC Controller, DFS, APS, SS Drain Pan, & Technicoat Cond Coils Hinged Filter Door & Toolless Access Panels
DV	CPC Controller, DFS, APS, SS Drain Pan, & Technicoat Evap Coil Hinged Filter Door & Toolless Access Panels
DW	CPC Controller, DFS, APS, SS Drain Pan, & Technicoat Evap and Cond Coils Hinged Filter Door & Toolless Access Panels

Hinged Filter Door & Toolless Access Cabinet	
DX	CPC Controller, DFS, APS, SS Drain Pan, Phase Monitor, Coil Guard, & Technicoat Evap and Cond Coils Hinged Filter Door & Toolless Access Panels
EA	Johnson UNT Controller with Dirty Filter Switch & Air Proving Switch, Hinged Filter Door & Toolless Access Panels
EB	Johnson UNT Controller, DFS, APS & Phase Monitor, Hinged Filter Door & Toolless Access Panels
EC	Johnson UNT Controller, DFS, APS & Coil Guard, Hinged Filter Door & Toolless Access Panels
ED	Johnson UNT Controller, DFS, APS, Phase Monitor, & Coil Guard, Hinged Filter Door & Toolless Access Panels
EE	Johnson UNT Controller, DFS, APS & Technicoat Cond. Coil, Hinged Filter Door & Toolless Access Panels
EF	Johnson UNT Controller, DFS, APS, Technicoat Cond. Coil, & Phase Monitor, Hinged Filter Door & Toolless Access Panels
EG	Johnson UNT Controller, DFS, APS, Technicoat Cond. Coil, & Coil Guard, Hinged Filter Door & Toolless Access Panels
EH	Johnson UNT Controller, DFS, APS, Technicoat Cond. Coil, Phase Monitor, & Coil Guard, Hinged Filter Door & Toolless Access Panels
EJ	Johnson UNT Controller, DFS, APS & Technicoat Evap. Coil, Hinged Filter Door & Toolless Access Panels
EK	Johnson UNT Controller, DFS, APS, Technicoat Evap. Coil, & Phase Monitor, Hinged Filter Door & Toolless Access Panels
EL	Johnson UNT Controller, DFS, APS, Technicoat Evap. Coil, & Coil Guard, Hinged Filter Door & Toolless Access Panels
EM	Johnson UNT Controller, DFS, APS, Technicoat Evap. Coil, Phase Monitor, & Coil Guard, Hinged Filter Door & Toolless Access Panels
EN	Johnson UNT Controller, DFS, APS & Technicoat Evap. & Cond Coils, Hinged Filter Door & Toolless Access Panels
EP	Johnson UNT Controller, DFS, APS, Technicoat Evap. & Cond Coils, & Phase Monitor, Hinged Filter Door & Toolless Access Panels
EQ	Johnson UNT Controller, DFS, APS, Technicoat Evap. & Cond Coils, & Coil Guard, Hinged Filter Door & Toolless Access Panels
ER	Johnson UNT Controller, DFS, APS, Technicoat Evap. & Cond Coils, Phase Monitor, & Coil Guard, Hinged Filter Door & Toolless Access Panels
ES	Johnson UNT Controller, DFS, APS, SS Drain Pan Hinged Filter Door & Toolless Access Panels
ET	Johnson UNT Controller, DFS, APS, SS Drain Pan, Phase Monitor, & Coil Guard Hinged Filter Door & Toolless Access Panels
EU	Johnson UNT Controller, DFS, APS, SS Drain Pan, & Technicoat Cond Coils Hinged Filter Door & Toolless Access Panels
EV	Johnson UNT Controller, DFS, APS, SS Drain Pan, & Technicoat Evap Coil Hinged Filter Door & Toolless Access Panels
EW	Johnson UNT Controller, DFS, APS, SS Drain Pan, & Technicoat Evap and Cond Coils Hinged Filter Door & Toolless Access Panels
EX	Johnson UNT Controller, DFS, APS, SS Drain Pan, Phase Monitor, Coil Guard, & Technicoat Evap and Cond Coils Hinged Filter Door & Toolless Access Panels
GA	Honeywell Excel 10 Controller with Dirty Filter Switch & Air Proving Switch, Hinged Filter Door & Toolless Access Panels
GB	Honeywell Excel 10 Controller, DFS, APS & Phase Monitor, Hinged Filter Door & Toolless Access Panels
GC	Honeywell Excel 10 Controller, DFS, APS & Coil Guard, Hinged Filter Door & Toolless Access Panels
GD	Honeywell Excel 10 Controller, DFS, APS, Phase Monitor, & Coil Guard, Hinged Filter Door & Toolless Access Panels
GE	Honeywell Excel 10 Controller, DFS, APS & Technicoat Cond. Coil, Hinged Filter Door & Toolless Access Panels
GF	Honeywell Excel 10 Controller, DFS, APS, Technicoat Cond. Coil, & Phase Monitor, Hinged Filter Door & Toolless Access Panels
GG	Honeywell Excel 10 Controller, DFS, APS, Technicoat Cond. Coil, & Coil Guard, Hinged Filter Door & Toolless Access Panels
GH	Honeywell Excel 10 Controller, DFS, APS, Technicoat Cond. Coil, Phase Monitor, & Coil Guard, Hinged Filter Door & Toolless Access Panels
GJ	Honeywell Excel 10 Controller, DFS, APS & Technicoat Evap. Coil, Hinged Filter Door & Toolless Access Panels
GK	Honeywell Excel 10 Controller, DFS, APS, Technicoat Evap. Coil, & Phase Monitor, Hinged Filter Door & Toolless Access Panels
GL	Honeywell Excel 10 Controller, DFS, APS, Technicoat Evap. Coil, & Coil Guard, Hinged Filter Door & Toolless Access Panels
GM	Honeywell Excel 10 Controller, DFS, APS, Technicoat Evap. Coil, Phase Monitor, & Coil Guard, Hinged Filter Door & Toolless Access Panels
GN	Honeywell Excel 10 Controller, DFS, APS & Technicoat Evap. & Cond Coils, Hinged Filter Door & Toolless Access Panels
GP	Honeywell Excel 10 Controller, DFS, APS, Technicoat Evap. & Cond Coils, & Phase Monitor, Hinged Filter Door & Toolless Access Panels
GQ	Honeywell Excel 10 Controller, DFS, APS, Technicoat Evap. & Cond Coils, & Coil Guard, Hinged Filter Door & Toolless Access Panels
GR	Honeywell Excel 10 Controller, DFS, APS, Technicoat Evap. & Cond Coils, Phase Monitor, & Coil Guard, Hinged Filter Door & Toolless Access Panels
GS	Honeywell Excel 10 Controller, DFS, APS, SS Drain Pan
GT	Honeywell Excel 10 Controller, DFS, APS, SS Drain Pan, Phase Monitor, & Coil Guard
GU	Honeywell Excel 10 Controller, DFS, APS, SS Drain Pan, & Technicoat Cond Coils
GV	Honeywell Excel 10 Controller, DFS, APS, SS Drain Pan, & Technicoat Evap Coil
GW	Honeywell Excel 10 Controller, DFS, APS, SS Drain Pan, & Technicoat Evap and Cond Coils
GX	Honeywell Excel 10 Controller, DFS, APS, SS Drain Pan, Phase Monitor, Coil Guard, & Technicoat Evap and Cond Coils
PA	Novar ETC-3 Controller with Dirty Filter Switch & Air Proving Switch, Hinged Filter Door & Toolless Access Panels
PB	Novar ETC-3 Controller, DFS, APS & Phase Monitor, Hinged Filter Door & Toolless Access Panels

Hinged Filter Door & Toolless Access Cabinet	
PC	Novar ETC-3 Controller, DFS, APS & Coil Guard, Hinged Filter Door & Toolless Access Panels
PD	Novar ETC-3 Controller, DFS, APS, Phase Monitor, & Coil Guard, Hinged Filter Door & Toolless Access Panels
PE	Novar ETC-3 Controller, DFS, APS & Technicoat Cond. Coil, Hinged Filter Door & Toolless Access Panels
PF	Novar ETC-3 Controller, DFS, APS, Technicoat Cond. Coil, & Phase Monitor, Hinged Filter Door & Toolless Access Panels
PG	Novar ETC-3 Controller, DFS, APS, Technicoat Cond. Coil, & Coil Guard, Hinged Filter Door & Toolless Access Panels
PH	Novar ETC-3 Controller, DFS, APS, Technicoat Cond. Coil, Phase Monitor, & Coil Guard, Hinged Filter Door & Toolless Access Panels
PJ	Novar ETC-3 Controller, DFS, APS & Technicoat Evap. Coil, Hinged Filter Door & Toolless Access Panels
PK	Novar ETC-3 Controller, DFS, APS, Technicoat Evap. Coil, & Phase Monitor, Hinged Filter Door & Toolless Access Panels
PL	Novar ETC-3 Controller, DFS, APS, Technicoat Evap. Coil, & Coil Guard, Hinged Filter Door & Toolless Access Panels
PM	Novar ETC-3 Controller, DFS, APS, Technicoat Evap. Coil, Phase Monitor, & Coil Guard, Hinged Filter Door & Toolless Access Panels
PN	Novar ETC-3 Controller, DFS, APS & Technicoat Evap. & Cond Coils, Hinged Filter Door & Toolless Access Panels
PP	Novar ETC-3 Controller, DFS, APS, Technicoat Evap. & Cond Coils, & Phase Monitor, Hinged Filter Door & Toolless Access Panels
PQ	Novar ETC-3 Controller, DFS, APS, Technicoat Evap. & Cond Coils, & Coil Guard, Hinged Filter Door & Toolless Access Panels
PR	Novar ETC-3 Controller, DFS, APS, Technicoat Evap. & Cond Coils, Phase Monitor, & Coil Guard, Hinged Filter Door & Toolless Access Panels
PS	Novar ETC-3 Controller, DFS, APS, SS Drain Pan
PT	Novar ETC-3 Controller, DFS, APS, SS Drain Pan, Phase Monitor, & Coil Guard
PU	Novar ETC-3 Controller, DFS, APS, SS Drain Pan, & Technicoat Cond Coils
PV	Novar ETC-3 Controller, DFS, APS, SS Drain Pan, & Technicoat Evap Coil
PW	Novar ETC-3, DFS, APS, SS Drain Pan, & Technicoat Evap and Cond Coils
PX	Novar ETC-3 Controller, DFS, APS, SS Drain Pan, Phase Monitor, Coil Guard, & Technicoat Evap and Cond Coils
UA	Technicoat Condenser Coil, Hinged Filter Door & Toolless Access Panels
UB	Technicoat Condenser Coil & Phase Monitor, Hinged Filter Door & Toolless Access Panels
UC	Technicoat Condenser Coil & Coil Guard, Hinged Filter Door & Toolless Access Panels
UD	Technicoat Condenser Coil & Dirty Filter Switch, Hinged Filter Door & Toolless Access Panels
UE	Technicoat Condenser Coil, Phase Monitor, & Coil Guard, Hinged Filter Door & Toolless Access Panels
UF	Technicoat Condenser Coil, Phase Monitor, & Dirty Filter Switch, Hinged Filter Door & Toolless Access Panels
UG	Technicoat Condenser Coil, Coil Guard, & Dirty Filter Switch, Hinged Filter Door & Toolless Access Panels
UH	Technicoat Condenser Coil, Phase Monitor, Coil Guard, & Dirty Filter Switch, Hinged Filter Door & Toolless Access Panels
UJ	Technicoat Evaporator Coil, Hinged Filter Door & Toolless Access Panels
UK	Technicoat Evaporator Coil & Phase Monitor, Hinged Filter Door & Toolless Access Panels
UL	Technicoat Evaporator Coil & Coil Guard, Hinged Filter Door & Toolless Access Panels
UM	Technicoat Evaporator Coil & Dirty Filter Switch, Hinged Filter Door & Toolless Access Panels
UN	Technicoat Evaporator Coil, Phase Monitor, & Coil Guard, Hinged Filter Door & Toolless Access Panels
UP	Technicoat Evaporator Coil, Phase Monitor, & Dirty Filter Switch, Hinged Filter Door & Toolless Access Panels
UQ	Technicoat Evaporator Coil, Coil Guard, & Dirty Filter Switch, Hinged Filter Door & Toolless Access Panels
UR	Technicoat Evaporator Coil, Phase Monitor, Coil Guard, & Dirty Filter Switch, Hinged Filter Door & Toolless Access Panels
US	Technicoat Evaporator & Condenser Coils, Hinged Filter Door & Toolless Access Panels
UT	Technicoat Evaporator & Condenser Coils & Phase Monitor, Hinged Filter Door & Toolless Access Panels
UU	Technicoat Evaporator & Condenser Coils & Coil Guard, Hinged Filter Door & Toolless Access Panels
UV	Technicoat Evaporator & Condenser Coils & Dirty Filter Switch, Hinged Filter Door & Toolless Access Panels
UW	Technicoat Evaporator & Condenser Coils, Phase Monitor, & Coil Guard, Hinged Filter Door & Toolless Access Panels
UX	Technicoat Evaporator & Condenser Coils, Phase Monitor, & Dirty Filter Switch, Hinged Filter Door & Toolless Access Panels
UY	Technicoat Evaporator & Condenser Coils, Coil Guard, & Dirty Filter Switch, Hinged Filter Door & Toolless Access Panels
UZ	Technicoat Evaporator & Condenser Coils, Phase Monitor, Coil Guard, & Dirty Filter Switch, Hinged Filter Door & Toolless Access Panels
U1	Technicoat Condenser & SS Drain Pan, Hinged Filter Door & Toolless Access Panels
U3	Technicoat Condenser Coil, SS Drain Pan, Phase Monitor, Coil Guard, & Dirty Filter Switch, Hinged Filter Door & Toolless Access Panels
U4	Technicoat Evaporator & SS Drain Pan, Hinged Filter Door & Toolless Access Panels
U6	Technicoat Evaporator Coil, SS Drain Pan, Phase Monitor, Coil Guard, & Dirty Filter Switch, Hinged Filter Door & Toolless Access Panels
U7	Technicoat Evaporator & Condenser Coils & SS Drain Pan, Hinged Filter Door & Toolless Access Panels
U9	Technicoat Evaporator & Condenser Coils, SS Drain Pan, Phase Monitor, Coil Guard, & Dirty Filter Switch, Hinged Filter Door & Toolless Access Panels
QA	Simplicity Intelli-Comfort Controller with Hinged Filter Door & Toolless Access Panels
QB	Simplicity Intelli-Comfort Controller, & Phase Monitor, Hinged Filter Door & Toolless Access Panels
QC	Simplicity Intelli-Comfort Controller, & Coil Guard, Hinged Filter Door & Toolless Access Panels

Hinged Filter Door & Toolless Access Cabinet	
QD	Simplicity Intelli-Comfort Controller, Phase Monitor, & Coil Guard, Hinged Filter Door & Toolless Access Panels
QE	Simplicity Intelli-Comfort Controller, & Technicoat Cond. Coil, Hinged Filter Door & Toolless Access Panels
QF	Simplicity Intelli-Comfort Controller, Technicoat Cond. Coil, & Phase Monitor, Hinged Filter Door & Toolless Access Panels
QG	Simplicity Intelli-Comfort Controller, Technicoat Cond. Coil, & Coil Guard, Hinged Filter Door & Toolless Access Panels
QH	Simplicity Intelli-Comfort Controller, Technicoat Cond. Coil, Phase Monitor, & Coil Guard, Hinged Filter Door & Toolless Access
QJ	Simplicity Intelli-Comfort Controller, & Technicoat Evap. Coil, Hinged Filter Door & Toolless Access Panels
QK	Simplicity Intelli-Comfort Controller, Technicoat Evap. Coil, & Phase Monitor, Hinged Filter Door & Toolless Access Panels
QL	Simplicity Intelli-Comfort Controller, Technicoat Evap. Coil, & Coil Guard, Hinged Filter Door & Toolless Access Panels
QM	Simplicity Intelli-Comfort Controller, Technicoat Evap. Coil, Phase Monitor, & Coil Guard, Hinged Filter Door & Toolless Access
QN	Simplicity Intelli-Comfort Controller, & Technicoat Evap. & Cond Coils, Hinged Filter Door & Toolless Access Panels
QP	Simplicity Intelli-Comfort Controller, Technicoat Evap. & Cond Coils, & Phase Monitor, Hinged Filter Door & Toolless Access Pan
QQ	Simplicity Intelli-Comfort Controller, Technicoat Evap. & Cond Coils, & Coil Guard, Hinged Filter Door & Toolless Access Panels
QR	Simplicity Intelli-Comfort Controller, Technicoat Evap. & Cond Coils, Phase Monitor, & Coil Guard, Hinged Filter Door & Toolless
QS	Simplicity Intelli-Comfort Controller, SS Drain Pan Hinged Filter Door & Toolless Access Panels
QT	Simplicity Intelli-Comfort Controller, SS Drain Pan, Phase Monitor, & Coil Guard Hinged Filter Door & Toolless Access Panels
QU	Simplicity Intelli-Comfort Controller, SS Drain Pan, & Technicoat Cond Coils Hinged Filter Door & Toolless Access Panels
QV	Simplicity Intelli-Comfort Controller, SS Drain Pan, & Technicoat Evap Coil Hinged Filter Door & Toolless Access Panels
QW	Simplicity Intelli-Comfort Controller, SS Drain Pan, & Technicoat Evap and Cond Coils Hinged Filter Door & Toolless Access Panels
QX	Simplicity Intelli-Comfort Controller, SS Drain Pan, Phase Monitor, Coil Guard, & Technicoat Evap and Cond Coils Hinged Filter Door & Toolless Access Panels
XA	Intelli-Comfort w/Mod Link Controller, Hinged Filter Door & Toolless Access Panels
XB	Intelli-Comfort w/Mod Link Controller, & Phase Monitor, Hinged Filter Door & Toolless Access Panels
XC	Intelli-Comfort w/Mod Link Controller, & Coil Guard, Hinged Filter Door & Toolless Access Panels
XD	Intelli-Comfort w/Mod Link Controller, Phase Monitor, & Coil Guard, Hinged Filter Door & Toolless Access Panels
XE	Intelli-Comfort w/Mod Link Controller, & Technicoat Cond. Coil, Hinged Filter Door & Toolless Access Panels
XF	Intelli-Comfort w/Mod Link Controller, Technicoat Cond. Coil, & Phase Monitor, Hinged Filter Door & Toolless Access Panels
XG	Intelli-Comfort w/Mod Link Controller, Technicoat Cond. Coil, & Coil Guard, Hinged Filter Door & Toolless Access Panels
XH	Intelli-Comfort w/Mod Link Controller, Technicoat Cond. Coil, Phase Monitor, & Coil Guard, Hinged Filter Door & Toolless Access
XJ	Intelli-Comfort w/Mod Link Controller, & Technicoat Evap. Coil, Hinged Filter Door & Toolless Access Panels
XK	Intelli-Comfort w/Mod Link Controller, Technicoat Evap. Coil, & Phase Monitor, Hinged Filter Door & Toolless Access Panels
XL	Intelli-Comfort w/Mod Link Controller, Technicoat Evap. Coil, & Coil Guard, Hinged Filter Door & Toolless Access Panels
XM	Intelli-Comfort w/Mod Link Controller, Technicoat Evap. Coil, Phase Monitor, & Coil Guard, Hinged Filter Door & Toolless Access
XN	Intelli-Comfort w/Mod Link Controller, & Technicoat Evap. & Cond Coils, Hinged Filter Door & Toolless Access Panels
XP	Intelli-Comfort w/Mod Link Controller, Technicoat Evap. & Cond Coils, & Phase Monitor, Hinged Filter Door & Toolless Access Pan
XQ	Intelli-Comfort w/Mod Link Controller, Technicoat Evap. & Cond Coils, & Coil Guard, Hinged Filter Door & Toolless Access Panels
XR	Intelli-Comfort w/Mod Link Controller, Technicoat Evap. & Cond Coils, Phase Monitor, & Coil Guard, Hinged Filter Door & Toolless
XS	Intelli-Comfort w/Mod Link Controller, SS Drain Pan Hinged Filter Door & Toolless Access Panels
XT	Intelli-Comfort w/Mod Link Controller, SS Drain Pan, Phase Monitor, & Coil Guard Hinged Filter Door & Toolless Access Panels
XU	Intelli-Comfort w/Mod Link Controller, SS Drain Pan, & Technicoat Cond Coils Hinged Filter Door & Toolless Access Panels
XV	Intelli-Comfort w/Mod Link Controller, SS Drain Pan, & Technicoat Evap Coil Hinged Filter Door & Toolless Access Panels
XW	Intelli-Comfort w/Mod Link Controller, SS Drain Pan, & Technicoat Evap and Cond Coils Hinged Filter Door & Toolless Access Panels
XX	Intelli-Comfort w/Mod Link Controller, SS Drain Pan, Phase Monitor, Coil Guard, & Technicoat Evap and Cond Coils Hinged Filter Door & Toolless Access Panels

FEATURES

All models are available with a wide variety of factory-mounted options such as stainless steel heat exchangers, electric heaters, phase monitor, convenience outlet, dirty filter switch, disconnect switch, smoke detectors, and coil guard to make them suitable for almost every application.

All units are self-contained and assembled on full perimeter base rails with forklift holes on three sides and holes for overhead rigging. Every unit is completely piped, wired, charged and tested at the factory to simplify the field installation and to provide years of dependable operation.

All models (including those with an economizer) are suitable for either bottom or horizontal duct connections. For bottom duct, remove the sheet metal panels from the supply and return air openings through the base of the unit. For horizontal duct, remove the supply and return air panels on the rear of the unit.

All models are available with these “factory mounted” outdoor air damper options:

- Single enthalpy economizer
- Motorized outdoor air damper

Supply air blowers are equipped with a belt drive that can be adjusted to meet the exact requirements of the job.

All compressors are equipped with internal pressure relief. Every refrigerant circuit includes a liquid line filter-drier, a high pressure switch and a suction line with a freezestat and low pressure/loss of charge switch to protect all system components.

- **Simplicity™ Controls - Simplicity™** control boards have standardized a number of features previously available only as options or by utilizing additional controls.
    - **Low Ambient** - An integrated low-ambient control allows all units to operate in the cooling mode down to 0ºF outdoor ambient without additional assistance. Optionally, the control board can be programmed to lockout the compressors when the outdoor air temperature is low or when free cooling is available.
    - **Anti-Short Cycle Protection** - To aid compressor life, an anti-short cycle delay is incorporated into the standard controls. Compressor reliability is further ensured by programmable minimum run times. For testing, the anti short cycle delay can be temporarily overridden with the push of a button.
    - **Fan Delays** - Fan on and fan off delays are fully programmable and are independent of one another. All units are programmed with default values based upon their configuration of cooling and heat.
    - **Safety Monitoring** - The control board monitors the high and low-pressure switches, the freezestats, the gas valve, if applicable, and the temperature limit switch on gas heat units. The unit control board will alarm on ignition failures, compressor lockouts and repeated limit switch trips.
    - **Nuisance Trip Protection**- To prevent nuisance trouble calls, the control board uses a “three strikes, you’re out” philosophy. The high and low-pressure switches and the freezestats must trip three times within two hours before the unit control board will lock out the compressor.
    - **On Board Diagnostics** - Each alarm will energize a trouble light on the thermostat, if so equipped, and flash an alarm code on the control board LED. Each high and low-pressure switch alarm as well as each freezestat alarm has its own flash code. The control board saves the five most recent alarms in memory, and these alarms can be reviewed at any time. Alarms and programmed values are retained through the loss of power.

All units have long lasting powder paint cabinets with 1000 hour salt spray test approval under ASTM-B117 procedures.

All models are CSA listed.

- **Warranty** - All models include a one-year limited parts warranty on the complete unit. Compressors and electric heater elements carry a five-year warranty. Gas heat exchangers carry a 10-year parts warranty.
- **Gas Heat Operation** - All single phase models with gas heat have minimum annual fuel utilization efficiency (AFUE) of 80%. All three phase models with gas heat have minimum steady state efficiency of 80%. Each section includes a durable heat exchanger with aluminized steel or optional stainless steel tubes, a redundant gas valve, spark ignition, power venting, an ignition module for 100% shut-off and all of the safety controls required to meet the latest ANSI standards.

  The gas supply piping can be routed into the heating compartment through a hole in the base pan of the unit or through a knockout in the piping panel on the front of the unit.
- **Electric Heat Operation** - All electric heat models are wired for a single power source and include a bank of nickel chromium elements mounted at the discharge of the supply air blower to provide a high velocity and uniform distribution of air across the heating elements. Every element is fully protected against excessive temperature by thermal limit switches.

  The power supply wiring can be routed into the control box through a threaded pipe connection (field supplied) in the base pan of the unit or through a knockout in the wiring panel on the side of the unit.
- **BAS Controls** - York’s Sunline™ series units offer factory mounted BAS controls such as Simplicity™ INTELLI-Comfort™, Novar, Honeywell, Johnson, and CPC.

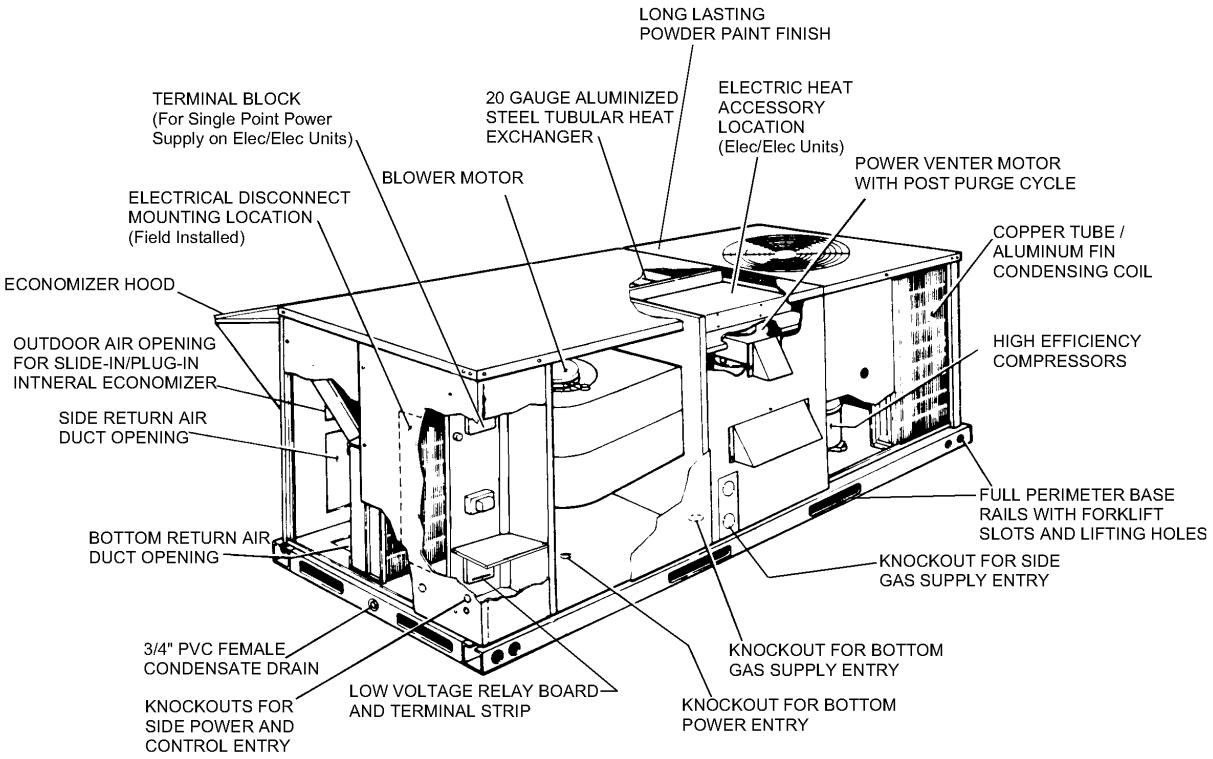


FIGURE 1 - UNIT CUTAWAY

FACTORY-INSTALLED OPTIONS

- **SINGLE INPUT ELECTRONIC ENTHALPY ECONOMIZERS** - Includes a slide-in / plug-in damper assembly with fully modulating spring-return motor actuator capable of introducing up to 100% outdoor air with nominal 1% leakage type dampers.

  The enthalpy system contains one sensor that monitors the outdoor air and determines when the air is cool enough and dry enough to provide free cooling.

  The rainhood is painted to match the basic unit and must be field-assembled before installing.

- **MOTORIZED OUTDOOR AIR INTAKE DAMPER** - Includes a slide-in / plug-in damper assembly with a 2-position, spring return motor actuator which opens to a pre-set position whenever the supply air blower is operating and will drive fully closed when the blower unit shuts down.

  The rain hood is painted to match the basic unit and must be field assembled before installing.

- **PHENOLIC COATED EVAPORATOR AND CONDENSER COILS** - Special coating process that utilizes Technicoat 10-1^{TM} processes. Coating is applied by total immersion of the complete coil for maximum protection.

- **ELECTRIC HEATERS** - Wired for single point power supply. These nickel chromium heater elements are provided with limit and automatic reset capability to prevent operation at excessive temperatures.

- **FILTER OPTIONS** - Standard units are shipped with 1” throw-away filters installed. 2” pleated filters are offered as a factory installed option.

- **CONVENIENCE OUTLET -** This 110 volt outlet can be “powered” by the unit with a stepdown transformer or the unit may be ordered with a “non-powered” convenience outlet that can be wired in the field.

- **DISCONNECT SWITCH** - For gas heat units and cooling units with electric heat, a HACR breaker sized to the unit is provided. For cooling only units, a switch sized to the largest electric heat available for the particular unit is provided. Factory installed option only.

- **BAS - Building Automation System Controls Simplicity™ INTELLI-Comfort™ CONTROL -** The York® Simplicity™ INTELLI-Comfort™ control is factory installed. It includes a supply air sensor, a return air sensor, and an outside air sensor. There are provisions for a field installed dirty filter indicator switch, an air-proving switch, an Outside Air Humidity sensor, a Return Air Humidity sensor, an Inside IAQ sensor, and an Outside Air IAQ sensor. Construction mode operation, 365-day real time clock with 7 day programming plus holiday scheduling is built-in. Two different modes of demand ventilation are achieved through the INTELLI-Comfort™

using CO2 sensors. It uses an inside CO2 sensor to perform Demand Ventilation. It can also use an Outside CO2 sensor to perform Differential Demand Ventilation. It uses a Patented Comfort Ventilation algorithm to provide comfortable ventilation air temperature. The patented economizer-loading algorithm will protect the equipment when harsh operating conditions exist. Humidity in the occupied space or return duct can be monitored and controlled via humidity sensors and the on-board connection for hot gas re-heat system. It uses the INTELLI-Start™ algorithm to maximize energy savings by recovering the building from the Unoccupied Setpoints to the Occupied Setpoints just in time for the Occupied Time Period to begin. The Simplicity™ INTELLI-Comfort™ balances space temperature, ventilation air temperature, CO2 and humidity for ultimate comfort.

- **Simplicity™ INTELLI-Comfort™ with MOD LINK CONTROL -** The York® Simplicity™ INTELLI-Comfort™ with Mod Link control is factory installed. It includes all the features of the INTELLI-Comfort™ control with an additional control to translate communications from MODBUS to the BACnet MSTP protocol.
- **Novar® BAS CONTROL -** The Novar® ETC-3 building automation system controller is factory installed. Includes supply air sensor, return air sensor, dirty filter indicator switch, and air proving switch.
- **JOHNSON CONTROLS BAS CONTROL -** The Johnson Control YK-UNT-1126 building automation system controller is factory installed. Includes supply air sensor, return air sensor, dirty filter indicator switch, and air proving switch.
- **CPC BAS CONTROL -** The Computer Process Controls Model 810-3060 ARTC Advanced Rooftop building automation system controller is factory installed. Includes supply air sensor, return air sensor, dirty filter indicator switch and air proving switch.
- **HONEYWELL BAS CONTROL -** The Honeywell W7750C building automation system controller is factory installed. Includes air supply sensor, return air sensor, dirty filter indicator switch, and air proving switch.
- **SMOKE DETECTORS** - (supply air & return air) The smoke detectors stop operation of the unit by interrupting power to the control board if smoke is detected within the air compartment.
- **COIL GUARD** - Customers can purchase a coil guard kit to protect the condenser coil from damage. This is not a hail guard kit.
- **STAINLESS STEEL HEAT EXCHANGER** - For applications in corrosive environments, this option provides a full stainless steel heat exchanger assembly.
- **STAINLESS STEEL DRAIN PAN -** An optional rust-proof stainless steel drain pan is available to provide years of trouble-free operation in corrosive environments.
- **BOTTOM DRAIN CONNECTION -** An optional bottom drain connection is available for inside the curb connections for applications in cold environments to reduce freezing drain lines.
- **PHASE MONITORS** - Designed to prevent unit damage. The phase monitor will shut the unit down in an out-of-phase condition.
- **DIRTY FILTER SWITCH** - This kit includes a differential pressure switch that energizes the fault light on the unit thermostat, indicating that there is an abnormally high pressure drop across the filters. Factory installed option or field installed accessory.
- **HINGED FILTER DOOR/"TOOLLESS" BLOWER AND ACCESS PANELS** (not hinged) - This option allows for easy access and maintenance.

  NOTE: Knobs are shipped inside the unit to prevent shipping damage. These must be field installed for tool-less operation.

FIELD-INSTALLED ACCESSORIES

- **SINGLE INPUT ELECTRONIC ENTHALPY ECONOMIZERS** - Includes a slide-in / plug-in damper assembly with fully modulating spring-return motor actuator capable of introducing up to 100% outdoor air with nominal 1% leakage type dampers.

  The enthalpy system contains one sensor that monitors the outdoor air and determines when the air is cool enough and dry enough to provide free cooling.

  The rainhood is painted to match the basic unit and must be field-assembled before installing.
- **MOTORIZED OUTDOOR AIR INTAKE DAMPER** - Includes a slide-in / plug-in damper assembly with a 2-position, spring return motor actuator which opens to some pre-set position whenever the supply air blower is operating and will drive fully closed when the blower unit shuts down.

  The rain hood is painted to match the basic unit and must be field assembled before installing.
- **ELECTRIC HEATERS** wired for single point power supply. These nickel chromium heater elements are provided with limit and automatic reset capability to prevent operation at excessive temperatures.

- **ROOF CURBS** - Eight and fourteen-inch high roof curbs provide a water-tight seal between the unit and the finished roof. These full perimeter curbs meet the requirements of the National Roofing Contractors Association (NRCA) and are shipped knocked-down for field assembly.

  Roof curbs are designed to fit inside the base rails of the unit and include both a wood nailing strip and duct hanger supports.

- **HIGH ALTITUDE NATURAL GAS** - Burner orifices and pilot orifices are provided for proper furnace operation at altitudes up to 6,000 feet.

- **PROPANE** - Burner orifices, pilot orifices and gas valve parts are provided to convert a natural gas furnace to propane.

- **HIGH ALTITUDE PROPANE** - Burner orifices and pilot orifices are provided for proper furnace operation at altitudes up to 6,000 feet. This accessory supplements the basic propane conversion kit.

- **LOW NOX KIT** - Required to reduce the emission of nitrogen oxides below 40 nano grams per joule.

- **POWER EXHAUST** - Our single input economizer options are available with power exhaust. Whenever the outdoor air intake dampers are opened for free cooling, the exhaust fan will be energized to prevent the conditioned space from being over-pressurized during economizer operation.

  The power exhaust option can only be used on bottom duct configurations.

- **BAROMETRIC RELIEF DAMPER** - This damper accessory can be used to relieve internal building air pressure on units with an economizer without power exhaust. This accessory includes a rain hood, a bird screen and a fully assembled damper. With bottom duct connections, the damper should be mounted over the opening in the return air panel. With horizontal ductwork, the accessory should be mounted on the return air duct.

- **ENTHALPY ACCESSORY CONTROL KIT** - This kit contains the required components to convert a single enthalpy economizer to dual enthalpy.

- **BURGLAR BARS** - Mount in the supply and return openings to prevent entry into the duct work.

- **FLUE EXHAUST EXTENSION KIT** - In locations with wind or weather conditions which may interfere with proper exhausting of furnace combustion products, this kit can be installed to prevent the flue exhaust from entering nearby fresh air intakes.

- **CO_2 SENSOR** - Senses CO_2 levels and automatically overrides the economizer when levels rise above the present limits.

- **COIL GUARD** - Customers can purchase a coil guard kit to protect the condenser coil from damage. This is not a hail guard kit.

- **HAIL GUARD** - Hail Guard kit is available to prevent unit from hail damage. This is a sloped hood that fits above the coil.

- **GAS PIPING KIT** - This kit supplies all necessary fittings and shut off valve.

TABLE 1: CAPACITY RATINGS - (ARI 210/240)[1]

MODEL	MBH	EER[2]	SEER[3]	CFM	SOUND RATING (Db)[4]
DJ036	35.8	11.65	13.50	1200	84
DJ048	46.5	11.75	13.45	1600	83
DJ060	56.5	11.15	13.40	1800	81

1. 80/67°F Indoor and 95°F outdoor.
2. EER = Energy Efficiency Ratio at full load - the cooling capacity in Btu's per hour (Btuh) divided by the power input in watts, expressed in Btuh per watt (Btuh/watt).
3. SEER = Seasonal Energy Efficiency Ratio.
4. Rated in accordance with ARI 270 Standard.

TABLE 2: GAS HEAT RATINGS[1]

MODEL	MBH INPUT	MBH OUTPUT	AFUE (%)	TEMP RISE ºF
DJ036N04	50	40	80.9	15 - 45
DJ036N08	100	80	80.5	40 - 70
DJ048N06	75	60	80.9	25 - 55
DJ048N10	125	100	80.3	45 - 75
DJ060N08	100	80	80.5	25 - 55
DJ060N10	125	100	80.3	35 - 65

1. All units are single-stage heating.

TABLE 3: 2 STAGE GAS HEAT RATINGS

MODEL[1]	MBH INPUT		MBH OUTPUT		STEADY STATE EFFICIENCY		RISE		MINIMUM HEATING AIRFLOW (CFM)
	1ST STAGE	2ND STAGE	1ST STAGE	2ND STAGE	1ST STAGE	2ND STAGE	MIN.	MAX.	
DJ036D06	45	75	35.8	60.8	79.4	81.1	35	70	790
DJ036D10	69	115	55.2	92	80.0	80.2	55	90	950
DJ048D06	45	75	35.7	60.8	79.4	81.1	25	70	790
DJ048D10	75	125	60.4	100.6	80.5	80.5	45	75	1230
DJ060D06	45	75	35.8	60.8	79.4	81.1	35	70	1010
DJ060D10	75	125	60.4	100.6	80.5	80.5	45	75	1230

1. Models are 3Ø only.

TABLE 4: DJ036 INDOOR SOUND POWER LEVELS (HORIZONTAL DUCTED INLET)

UNIT DESCRIPTION / MODEL	DJ036 / 3 Ton / Belt Drive							
CONFIGURATION	Horizontal Ducted Inlet							
Indoor Blower Speed (RPM)	630		631		879		885	
Blower Static Pressure (IWG)	0.2		0.3		0.2		0.7	
Airflow (CFM)	1116		928		1979		1020	
Blower Motor BHP	0.41		0.37		0.76		0.53	
Octave Center Freq.	ID Blower Only (dB)	Cooling Operation[2] (dB)	ID Blower Only (dB)	Cooling Operation[2] (dB)	ID Blower Only (dB)	Cooling Operation[2] (dB)	ID Blower Only (dB)	Cooling Operation[2] (dB)
63	80	82	80	82	78	83	81	85
125	76	77	76	77	82	83	81	82
250	56	59	56	60	60	61	58	60
500	50	50	49	50	54	54	51	52
1000	40	43	39	42	49	50	44	45
2000	41	42	40	42	49	49	43	44
4000	41	41	41	41	49	49	41	41
8000	45	45	45	45	47	47	45	45

1. Tested in accordance with ARI Standard 260. Refer to 2001 Standard for Sound Rating of Ducted Air Moving and Conditioning Equipment.
2. Cooling Operation – ID blower, compressor and outdoor fan operating.
3. Test Duct Dimension: 12 in. wide x 18 in. high x 8 ft. long (0.30m x 0.46m x 2.44m).
4. Test duct termination is flush with reverberation room wall.
5. Duct end (sound reflection) correction: (11, 6, 3, 1, 0, 0, 0, 0) dB at (63, 125, 250, 500, 1k, 4k, 8k) Hz.

TABLE 5: DJ036 INDOOR SOUND POWER LEVELS (HORIZONTAL DUCTED DISCHARGE)

UNIT DESCRIPTION / MODEL	DJ036 / 3 Ton / Belt Drive							
CONFIGURATION	Horizontal Ducted Discharge							
Indoor Blower Speed (RPM)	630		631		879		885	
Blower Static Pressure (IWG)	0.2		0.3		0.2		0.7	
Airflow (CFM)	1116		928		1979		1020	
Blower Motor BHP	0.41		0.37		0.76		0.53	
Octave Center Freq.	ID Blower Only (dB)	Cooling Operation[2] (dB)	ID Blower Only (dB)	Cooling Operation[2] (dB)	ID Blower Only (dB)	Cooling Operation[2] (dB)	ID Blower Only (dB)	Cooling Operation[2] (dB)
63	80	84	80	83	85	87	84	87
125	74	77	74	76	80	82	80	83
250	58	61	58	61	68	68	63	65
500	48	51	47	50	58	58	53	54
1000	41	45	39	43	55	55	49	50
2000	39	41	37	39	53	53	46	47
4000	41	41	38	38	55	55	49	49
8000	45	45	44	44	52	53	47	47

1. Tested in accordance with ARI Standard 260. Refer to 2001 Standard for Sound Rating of Ducted Air Moving and Conditioning Equipment.
2. Cooling Operation – ID blower, compressor and outdoor fan operating.
3. Test Duct Dimension: 12 in. wide x 18 in. high x 8 ft. long (0.30m x 0.46m x 2.44m).
4. Test duct termination is flush with reverberation room wall.
5. Duct end (sound reflection) correction: (11, 6, 3, 1, 0, 0, 0, 0) dB at (63, 125, 250, 500, 1k, 4k, 8k) Hz.

TABLE 6: DJ036 INDOOR SOUND POWER LEVELS (VERTICAL DUCTED INLET)

UNIT DESCRIPTION / MODEL	DJ036 / 3 Ton / Belt Drive							
CONFIGURATION	Vertical Ducted Inlet							
Indoor Blower Speed (RPM)	632		632		881		883	
Blower Static Pressure (IWG)	0.2		0.3		0.2		0.7	
Airflow (CFM)	1069		870		1903		917	
Blower Motor BHP	0.36		0.33		0.71		0.49	
Octave Center Freq.	ID Blower Only (dB)	Cooling Operation[2] (dB)	ID Blower Only (dB)	Cooling Operation[2] (dB)	ID Blower Only (dB)	Cooling Operation[2] (dB)	ID Blower Only (dB)	Cooling Operation[2] (dB)
63	78	82	78	82	80	85	80	84
125	70	75	70	74	71	80	71	79
250	55	60	55	60	59	61	58	62
500	47	50	47	50	52	53	49	52
1000	40	43	39	43	50	51	45	46
2000	37	40	37	39	45	46	41	43
4000	36	37	36	37	45	46	40	40
8000	44	44	44	44	45	47	44	44

1. Tested in accordance with ARI Standard 260. Refer to 2001 Standard for Sound Rating of Ducted Air Moving and Conditioning Equipment.
2. Cooling Operation – ID blower, compressor and outdoor fan operating.
3. Test Duct Dimension: 12 in. wide x 18 in. high x 8 ft. long (0.30m x 0.46m x 2.44m).
4. Test duct termination is flush with reverberation room wall.
5. Duct end (sound reflection) correction: (11, 6, 3, 1, 0, 0, 0, 0) dB at (63, 125, 250, 500, 1k, 4k, 8k) Hz.

TABLE 7: DJ036 INDOOR SOUND POWER LEVELS (VERTICAL DUCTED DISCHARGE)

UNIT DESCRIPTION / MODEL	DJ036 / 3 Ton / Belt Drive							
CONFIGURATION	Vertical Ducted Discharge							
Indoor Blower Speed (RPM)	632		632		881		883	
Blower Static Pressure (IWG)	0.2		0.3		0.2		0.7	
Airflow (CFM)	1069		870		1903		917	
Blower Motor BHP	0.36		0.33		0.71		0.49	
Octave Center Freq.	ID Blower Only (dB)	Cooling Operation[2] (dB)	ID Blower Only (dB)	Cooling Operation[2] (dB)	ID Blower Only (dB)	Cooling Operation[2] (dB)	ID Blower Only (dB)	Cooling Operation[2] (dB)
63	80	83	80	83	83	86	82	85
125	78	79	77	78	80	83	79	82
250	55	60	54	59	63	63	58	62
500	48	51	46	50	58	59	52	53
1000	41	44	39	43	54	55	48	49
2000	37	40	35	38	50	50	42	44
4000	38	39	36	37	52	53	44	44
8000	44	45	44	44	49	50	45	45

1. Tested in accordance with ARI Standard 260. Refer to 2001 Standard for Sound Rating of Ducted Air Moving and Conditioning Equipment.
2. Cooling Operation – ID blower, compressor and outdoor fan operating.
3. Test Duct Dimension: 12 in. wide x 18 in. high x 8 ft. long (0.30m x 0.46m x 2.44m).
4. Test duct termination is flush with reverberation room wall.
5. Duct end (sound reflection) correction: (11, 6, 3, 1, 0, 0, 0, 0) dB at (63, 125, 250, 500, 1k, 4k, 8k) Hz.

TABLE 8: DJ048 INDOOR SOUND POWER LEVELS (HORIZONTAL DUCTED INLET)

UNIT DESCRIPTION / MODEL	DJ048 / 4 Ton / Belt Drive							
CONFIGURATION	Horizontal Ducted Inlet							
Indoor Blower Speed (RPM)	766		769		1077		1087	
Blower Static Pressure (IWG)	0.2		0.5		0.4		1.0	
Airflow (CFM)	1484		993		2270		1406	
Blower Motor BHP	0.67		0.54		1.24		0.90	
Octave Center Freq.	ID Blower Only (dB)	Cooling Operation[2] (dB)	ID Blower Only (dB)	Cooling Operation[2] (dB)	ID Blower Only (dB)	Cooling Operation[2] (dB)	ID Blower Only (dB)	Cooling Operation[2] (dB)
63	74	97	74	95	77	90	77	90
125	70	86	69	86	73	78	72	77
250	53	58	52	57	60	61	58	61
500	49	55	47	54	54	56	51	53
1000	42	42	38	39	50	55	45	45
2000	40	44	38	43	48	51	45	46
4000	38	44	36	41	48	52	43	45
8000	42	43	42	44	45	48	44	45

1. Tested in accordance with ARI Standard 260. Refer to 2001 Standard for Sound Rating of Ducted Air Moving and Conditioning Equipment.
2. Cooling Operation – ID blower, compressor and outdoor fan operating.
3. Test Duct Dimension: 12 in. wide x 18 in. high x 8 ft. long (0.30m x 0.46m x 2.44m).
4. Test duct termination is flush with reverberation room wall.
5. Duct end (sound reflection) correction: (11, 6, 3, 1, 0, 0, 0, 0) dB at (63, 125, 250, 500, 1k, 4k, 8k) Hz.

TABLE 9: DJ048 INDOOR SOUND POWER LEVELS (HORIZONTAL DUCTED DISCHARGE)

UNIT DESCRIPTION / MODEL	DJ048 / 4 Ton / Belt Drive							
CONFIGURATION	Horizontal Ducted Discharge							
Indoor Blower Speed (RPM)	766		769		1077		1087	
Blower Static Pressure (IWG)	0.2		0.5		0.4		1.0	
Airflow (CFM)	1484		993		2270		1406	
Blower Motor BHP	0.67		0.54		1.24		0.90	
Octave Center Freq.	ID Blower Only (dB)	Cooling Operation[2] (dB)	ID Blower Only (dB)	Cooling Operation[2] (dB)	ID Blower Only (dB)	Cooling Operation[2] (dB)	ID Blower Only (dB)	Cooling Operation[2] (dB)
63	77	97	75	95	84	91	82	91
125	72	86	69	85	81	83	78	80
250	60	62	57	59	71	71	66	67
500	53	56	49	54	60	61	55	56
1000	47	47	42	43	58	59	52	52
2000	45	46	40	43	54	55	50	50
4000	46	47	40	42	57	58	52	52
8000	47	47	45	45	54	54	48	49

1. Tested in accordance with ARI Standard 260. Refer to 2001 Standard for Sound Rating of Ducted Air Moving and Conditioning Equipment.
2. Cooling Operation – ID blower, compressor and outdoor fan operating.
3. Test Duct Dimension: 12 in. wide x 18 in. high x 8 ft. long (0.30m x 0.46m x 2.44m).
4. Test duct termination is flush with reverberation room wall.
5. Duct end (sound reflection) correction: (11, 6, 3, 1, 0, 0, 0, 0) dB at (63, 125, 250, 500, 1k, 4k, 8k) Hz.

TABLE 10: DJ048 INDOOR SOUND POWER LEVELS (VERTICAL DUCTED INLET)

UNIT DESCRIPTION / MODEL	DJ048 / 4 Ton / Belt Drive							
CONFIGURATION	Vertical Ducted Inlet							
Indoor Blower Speed (RPM)	791		794		1084		1095	
Blower Static Pressure (IWG)	0.2		0.5		0.2		1.0	
Airflow (CFM)	1408		1000		2336		1275	
Blower Motor BHP	0.54		0.42		1.12		0.73	
Octave Center Freq.	ID Blower Only (dB)	Cooling Operation[2] (dB)	ID Blower Only (dB)	Cooling Operation[2] (dB)	ID Blower Only (dB)	Cooling Operation[2] (dB)	ID Blower Only (dB)	Cooling Operation[2] (dB)
63	76	95	77	93	80	91	79	91
125	68	84	67	82	76	84	73	80
250	54	57	52	56	63	61	57	59
500	48	53	46	53	54	57	50	53
1000	43	44	40	41	52	52	47	47
2000	40	43	38	42	49	51	44	46
4000	38	43	36	40	49	54	43	45
8000	43	43	43	43	45	47	44	44

1. Tested in accordance with ARI Standard 260. Refer to 2001 Standard for Sound Rating of Ducted Air Moving and Conditioning Equipment.
2. Cooling Operation – ID blower, compressor and outdoor fan operating.
3. Test Duct Dimension: 12 in. wide x 18 in. high x 8 ft. long (0.30m x 0.46m x 2.44m).
4. Test duct termination is flush with reverberation room wall.
5. Duct end (sound reflection) correction: (11, 6, 3, 1, 0, 0, 0, 0) dB at (63, 125, 250, 500, 1k, 4k, 8k) Hz.

TABLE 11: DJ048 INDOOR SOUND POWER LEVELS (VERTICAL DUCTED DISCHARGE)

UNIT DESCRIPTION / MODEL	DJ048 / 4 Ton / Belt Drive							
CONFIGURATION	Vertical Ducted Discharge							
Indoor Blower Speed (RPM)	791		794		1084		1095	
Blower Static Pressure (IWG)	0.2		0.5		0.2		1.0	
Airflow (CFM)	1408		1000		2336		1275	
Blower Motor BHP	0.54		0.42		1.12		0.73	
Octave Center Freq.	ID Blower Only (dB)	Cooling Operation[2] (dB)	ID Blower Only (dB)	Cooling Operation[2] (dB)	ID Blower Only (dB)	Cooling Operation[2] (dB)	ID Blower Only (dB)	Cooling Operation[2] (dB)
63	78	95	77	93	85	92	82	91
125	73	84	72	82	84	87	78	82
250	56	58	53	56	68	68	60	61
500	51	54	48	53	61	62	54	55
1000	46	46	43	44	57	57	50	50
2000	42	44	38	42	53	54	46	48
4000	43	45	39	41	55	57	49	50
8000	44	44	43	43	52	52	46	47

1. Tested in accordance with ARI Standard 260. Refer to 2001 Standard for Sound Rating of Ducted Air Moving and Conditioning Equipment.
2. Cooling Operation – ID blower, compressor and outdoor fan operating.
3. Test Duct Dimension: 12 in. wide x 18 in. high x 8 ft. long (0.30m x 0.46m x 2.44m).
4. Test duct termination is flush with reverberation room wall.
5. Duct end (sound reflection) correction: (11, 6, 3, 1, 0, 0, 0, 0) dB at (63, 125, 250, 500, 1k, 4k, 8k) Hz.

TABLE 12: DJ060 INDOOR SOUND POWER LEVELS (HORIZONTAL DUCTED INLET)

UNIT DESCRIPTION / MODEL	DJ060 / 5 Ton / Belt Drive							
CONFIGURATION	Horizontal Ducted Inlet							
Indoor Blower Speed (RPM)	840		845		1166		1188	
Blower Static Pressure (IWG)	0.2		0.6		0.3		1.3	
Airflow (CFM)	1695		1100		2618		1323	
Blower Motor BHP	0.67		0.50		1.51		0.80	
Octave Center Freq.	ID Blower Only (dB)	Cooling Operation[2] (dB)	ID Blower Only (dB)	Cooling Operation[2] (dB)	ID Blower Only (dB)	Cooling Operation[2] (dB)	ID Blower Only (dB)	Cooling Operation[2] (dB)
63	77	84	77	84	81	85	79	84
125	71	71	72	73	74	75	71	72
250	57	58	55	56	66	66	60	61
500	53	53	51	51	60	60	55	55
1000	50	50	45	46	60	60	53	53
2000	49	49	43	44	58	58	50	50
4000	49	49	42	43	59	59	47	47
8000	49	49	48	48	54	54	47	47

1. Tested in accordance with ARI Standard 260. Refer to 2001 Standard for Sound Rating of Ducted Air Moving and Conditioning Equipment.
2. Cooling Operation – ID blower, compressor and outdoor fan operating.
3. Test Duct Dimension: 12 in. wide x 18 in. high x 8 ft. long (0.30m x 0.46m x 2.44m).
4. Test duct termination is flush with reverberation room wall.
5. Duct end (sound reflection) correction: (11, 6, 3, 1, 0, 0, 0, 0) dB at (63, 125, 250, 500, 1k, 4k, 8k) Hz.

TABLE 13: DJ060 INDOOR SOUND POWER LEVELS (HORIZONTAL DUCTED DISCHARGE)

UNIT DESCRIPTION / MODEL	DJ060 / 5 Ton / Belt Drive							
CONFIGURATION	Horizontal Ducted Discharge							
Indoor Blower Speed (RPM)	840		845		1166		1188	
Blower Static Pressure (IWG)	0.2		0.6		0.3		1.3	
Airflow (CFM)	1695		1100		2618		1323	
Blower Motor BHP	0.67		0.50		1.51		0.80	
Octave Center Freq.	ID Blower Only (dB)	Cooling Operation[2] (dB)	ID Blower Only (dB)	Cooling Operation[2] (dB)	ID Blower Only (dB)	Cooling Operation[2] (dB)	ID Blower Only (dB)	Cooling Operation[2] (dB)
63	82	87	79	88	88	89	82	87
125	75	76	72	74	82	83	78	78
250	69	69	66	66	79	79	73	73
500	64	64	60	60	72	72	66	66
1000	59	60	55	56	68	68	61	61
2000	55	55	50	50	65	65	57	57
4000	58	58	52	52	68	68	60	60
8000	55	55	49	49	66	67	56	56

1. Tested in accordance with ARI Standard 260. Refer to 2001 Standard for Sound Rating of Ducted Air Moving and Conditioning Equipment.
2. Cooling Operation – ID blower, compressor and outdoor fan operating.
3. Test Duct Dimension: 12 in. wide x 18 in. high x 8 ft. long (0.30m x 0.46m x 2.44m).
4. Test duct termination is flush with reverberation room wall.
5. Duct end (sound reflection) correction: (11, 6, 3, 1, 0, 0, 0, 0) dB at (63, 125, 250, 500, 1k, 4k, 8k) Hz.

TABLE 14: DJ060 INDOOR SOUND POWER LEVELS (VERTICAL DUCTED INLET)

UNIT DESCRIPTION / MODEL	DJ060 / 5 Ton / Belt Drive							
CONFIGURATION	Vertical Ducted Inlet							
Indoor Blower Speed (RPM)	834		840		1171		1194	
Blower Static Pressure (IWG)	0.2		0.6		0.2		1.3	
Airflow (CFM)	1525		1019		2624		1256	
Blower Motor BHP	0.61		0.44		1.43		0.83	
Octave Center Freq.	ID Blower Only (dB)	Cooling Operation[2] (dB)	ID Blower Only (dB)	Cooling Operation[2] (dB)	ID Blower Only (dB)	Cooling Operation[2] (dB)	ID Blower Only (dB)	Cooling Operation[2] (dB)
63	77	86	79	88	81	86	83	87
125	69	70	70	72	71	73	72	72
250	56	63	56	58	64	72	63	69
500	50	52	48	49	57	59	53	56
1000	48	51	44	45	57	58	49	52
2000	43	47	39	41	54	57	47	50
4000	47	49	40	41	55	61	47	52
8000	46	47	44	45	51	57	47	49

1. Tested in accordance with ARI Standard 260. Refer to 2001 Standard for Sound Rating of Ducted Air Moving and Conditioning Equipment.
2. Cooling Operation – ID blower, compressor and outdoor fan operating.
3. Test Duct Dimension: 12 in. wide x 18 in. high x 8 ft. long (0.30m x 0.46m x 2.44m).
4. Test duct termination is flush with reverberation room wall.
5. Duct end (sound reflection) correction: (11, 6, 3, 1, 0, 0, 0, 0) dB at (63, 125, 250, 500, 1k, 4k, 8k) Hz.

TABLE 15: DJ060 INDOOR SOUND POWER LEVELS (VERTICAL DUCTED DISCHARGE)

UNIT DESCRIPTION / MODEL	DJ060 / 5 Ton / Belt Drive							
CONFIGURATION	Vertical Ducted Discharge							
Indoor Blower Speed (RPM)	834		840		1171		1194	
Blower Static Pressure (IWG)	0.2		0.6		0.2		1.3	
Airflow (CFM)	1525		1019		2624		1256	
Blower Motor BHP	0.61		0.44		1.43		0.83	
Octave Center Freq.	ID Blower Only (dB)	Cooling Operation[2] (dB)	ID Blower Only (dB)	Cooling Operation[2] (dB)	ID Blower Only (dB)	Cooling Operation[2] (dB)	ID Blower Only (dB)	Cooling Operation[2] (dB)
63	83	88	82	88	91	91	85	88
125	78	78	75	76	85	85	79	79
250	66	67	62	62	77	78	70	72
500	59	60	54	54	70	70	61	61
1000	57	58	51	51	68	68	57	58
2000	51	52	45	45	62	63	52	53
4000	54	54	47	47	65	66	55	56
8000	52	52	46	47	65	66	52	53

1. Tested in accordance with ARI Standard 260. Refer to 2001 Standard for Sound Rating of Ducted Air Moving and Conditioning Equipment.
2. Cooling Operation – ID blower, compressor and outdoor fan operating.
3. Test Duct Dimension: 12 in. wide x 18 in. high x 8 ft. long (0.30m x 0.46m x 2.44m).
4. Test duct termination is flush with reverberation room wall.
5. Duct end (sound reflection) correction: (11, 6, 3, 1, 0, 0, 0, 0) dB at (63, 125, 250, 500, 1k, 4k, 8k) Hz.

TABLE 16: DJ036 COOLING CAPACITIES (3 TON)

Air on Evaporator Coil		Temperature of Air on Condenser Coil																		
		75°F									85°F									
CFM	WB (°F)	Total Cap.[1] (MBH)	Total[2] Input (kW)	Sensible Capacity (MBH)[1] Return Dry Bulb (°F)							Total Cap.[1] (MBH)	Total[2] Input (kW)	Sensible Capacity (MBH)[1] Return Dry Bulb (°F)						
				86	83	80	77	74	71	68			86	83	80	77	74	71	68
900	72	44	2.3	24	21	19	16	14	-	-	41	2.5	23	20	18	15	12	-	-
	67	42	2.3	30	28	25	23	20	18	15	38	2.5	29	26	24	21	18	16	13
	62	40	2.3	40	35	33	30	28	25	23	35	2.5	35	32	30	27	25	22	20
	57	39	2.3	39	37	35	32	30	27	25	35	2.5	35	34	31	28	26	23	21
1050	72	44	2.2	26	23	20	17	14	-	-	42	2.5	25	22	19	16	13	-	-
	67	42	2.3	33	30	27	24	21	18	15	39	2.5	31	28	25	22	19	16	13
	62	40	2.3	40	38	35	32	29	26	23	35	2.5	35	34	32	29	26	23	20
	57	39	2.3	39	38	37	34	31	28	25	35	2.5	35	35	33	30	27	24	21
1200	72	44	2.2	28	25	21	18	14	-	-	43	2.5	27	24	20	17	13	-	-
	67	43	2.3	35	32	28	25	21	18	14	40	2.5	34	31	27	24	20	17	13
	62	40	2.3	40	40	37	33	30	26	23	36	2.5	36	36	34	31	27	24	20
	57	39	2.3	39	39	39	36	32	29	25	36	2.5	36	36	36	32	29	25	22
1350	72	45	2.2	30	26	22	18	14	-	-	43	2.5	29	25	21	17	13	-	-
	67	43	2.3	37	33	29	25	21	18	14	40	2.5	36	32	28	24	20	16	12
	62	41	2.3	41	41	39	35	31	27	23	37	2.5	37	37	36	32	28	24	20
	57	40	2.3	40	40	40	36	32	28	24	36	2.5	36	36	36	32	28	24	20
1500	72	46	2.3	32	27	23	18	14	-	-	44	2.5	31	27	22	18	13	-	-
	67	44	2.3	40	35	31	26	22	17	13	41	2.5	39	34	30	25	21	16	12
	62	42	2.3	42	42	42	37	33	28	24	37	2.5	37	37	37	33	28	24	19
	57	41	2.3	41	41	41	36	32	27	23	37	2.5	37	37	37	32	28	23	19
		95°F									105°F									
900	72	38	2.7	21	19	16	14	11	-	-	35	3.0	20	17	15	12	10	-	-
	67	35	2.7	27	24	22	19	17	14	12	31	2.9	25	23	20	18	15	12	10
	62	30	2.7	30	29	27	24	22	19	17	27	3.0	27	26	24	21	19	16	14
	57	30	2.7	30	30	27	25	22	19	17	27	3.0	27	27	25	22	20	17	15
1050	72	39	2.7	24	21	18	15	12	-	-	36	3.0	22	19	16	13	10	-	-
	67	36	2.7	30	27	24	21	18	15	12	32	2.9	28	25	22	19	16	13	10
	62	31	2.7	31	31	30	26	23	20	17	28	2.9	28	28	26	23	20	17	14
	57	31	2.7	31	31	30	27	24	21	18	28	2.9	28	28	27	24	21	18	15
1200	72	41	2.7	26	23	19	16	12	-	-	37	2.9	25	21	18	14	11	-	-
	67	37	2.7	33	30	26	23	19	16	12	33	2.8	31	28	24	21	17	14	10
	62	32	2.7	32	32	32	29	25	22	18	29	2.9	29	29	29	25	22	18	15
	57	32	2.7	32	32	32	29	25	22	18	29	2.9	29	29	30	26	23	19	16
1350	72	41	2.7	28	24	20	16	12	-	-	37	3.0	27	23	19	15	11	-	-
	67	37	2.7	35	31	27	23	19	15	11	33	2.9	32	29	25	21	17	13	9
	62	32	2.7	32	32	32	28	24	20	16	29	2.9	29	29	29	25	21	17	13
	57	33	2.7	33	33	33	29	25	21	17	29	2.9	29	29	30	26	22	18	14
1500	72	42	2.7	30	26	21	17	12	-	-	37	3.1	28	24	20	15	11	-	-
	67	38	2.7	38	33	29	24	20	15	11	33	2.9	33	31	27	22	18	13	9
	62	33	2.7	33	33	33	28	24	19	15	29	3.0	29	29	29	24	20	15	11
	57	33	2.7	33	33	33	29	24	20	15	29	3.0	29	29	29	25	20	16	11
		115°F									125°F									
900	72	32	3.3	18	16	13	11	8	-	-	28	3.7	17	14	12	9	7	-	-
	67	27	3.1	23	21	18	16	13	11	8	24	3.3	22	19	17	14	11	9	6
	62	24	3.2	24	23	21	18	16	13	11	21	3.5	21	20	18	15	13	10	8
	57	25	3.2	25	25	23	20	17	15	12	22	3.5	22	22	20	18	15	13	10
1050	72	32	3.3	21	18	15	12	9	-	-	29	3.5	19	16	13	10	7	-	-
	67	28	3.0	26	23	20	17	14	11	8	24	3.2	24	22	18	15	12	9	6
	62	25	3.1	25	24	23	20	17	14	11	21	3.4	21	21	20	17	14	11	8
	57	25	3.1	25	25	25	22	19	16	13	22	3.4	22	22	22	19	16	13	10
1200	72	33	3.2	23	20	16	13	9	-	-	29	3.4	21	18	14	11	7	-	-
	67	29	3.0	29	26	22	19	15	12	8	25	3.1	25	24	20	17	13	10	6
	62	25	3.1	25	25	25	22	18	15	11	22	3.3	22	22	22	18	15	11	8
	57	26	3.1	26	26	27	24	20	17	13	22	3.3	22	22	22	21	18	14	11
1350	72	33	3.3	25	21	17	13	9	-	-	29	3.6	23	19	15	11	7	-	-
	67	29	3.1	29	27	23	19	15	11	8	24	3.2	24	24	21	17	13	10	6
	62	25	3.2	25	25	25	21	17	13	9	21	3.4	21	21	21	17	13	9	5
	57	26	3.2	26	26	26	22	18	14	10	22	3.4	22	22	22	19	15	11	7
1500	72	33	3.4	27	22	18	13	9	-	-	28	3.8	25	20	16	11	7	-	-
	67	28	3.2	28	28	25	20	16	11	7	24	3.4	24	24	23	18	14	9	5
	62	25	3.3	25	25	25	20	16	11	7	21	3.6	21	21	21	16	12	7	3
	57	25	3.3	25	25	25	21	16	12	8	22	3.6	22	22	22	17	13	8	4

1. The capacities are gross ratings. For net capacity, deduct indoor blower motor, MBH=3.415 x kW. Refer to the appropriate Blower Performance table for the kW of the supply air blower motor.
2. These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

TABLE 17: DJ048 COOLING CAPACITIES (4 TON)

Air on Evap-orator Coil		Temperature of Air on Condenser Coil																		
		75°F									85°F									
CFM	WB (°F)	Total Cap.[1] (MBH)	Total[2] Input (kW)	Sensible Capacity (MBH)[1] Return Dry Bulb (°F)							Total Cap.[1] (MBH)	Total[2] Input (kW)	Sensible Capacity (MBH)[1] Return Dry Bulb (°F)						
				86	83	80	77	74	71	68			86	83	80	77	74	71	68
1200	72	58	2.8	32	28	25	22	18	-	-	54	3.1	30	27	23	20	17	-	-
	67	57	2.8	43	39	36	32	29	26	22	51	3.1	40	36	33	29	26	23	19
	62	53	2.8	53	47	44	40	37	33	30	47	3.0	47	44	41	37	34	30	27
	57	51	2.8	51	51	49	45	42	38	35	46	3.0	46	46	43	39	36	32	29
1400	72	58	2.8	34	30	26	22	18	-	-	55	3.1	33	29	25	21	17	-	-
	67	56	2.8	45	41	37	33	29	25	21	52	3.1	43	39	35	31	27	23	19
	62	53	2.8	53	50	46	41	37	33	29	48	3.0	48	46	43	39	35	31	27
	57	51	2.8	51	51	51	47	43	39	34	46	3.0	46	46	45	41	37	33	29
1600	72	57	2.8	36	32	27	22	18	-	-	55	3.1	36	31	26	22	17	-	-
	67	56	2.8	48	43	39	34	29	25	20	52	3.1	46	42	37	32	28	23	18
	62	53	2.8	53	53	47	43	38	33	29	48	3.1	48	48	46	41	36	32	27
	57	51	2.8	51	51	53	48	43	39	34	47	3.0	47	47	48	43	39	34	29
1800	72	57	2.8	39	33	28	23	17	-	-	55	3.1	38	33	28	22	17	-	-
	67	56	2.8	52	46	40	35	30	24	19	52	3.1	49	44	39	34	28	23	18
	62	53	2.8	53	53	50	45	39	34	29	48	3.1	48	48	47	41	36	31	25
	57	51	2.8	51	51	52	46	41	36	30	47	3.1	47	47	47	42	37	31	26
2000	72	57	2.8	41	35	29	23	17	-	-	55	3.1	41	35	29	23	17	-	-
	67	55	2.8	55	48	42	36	30	24	18	52	3.1	52	47	41	35	29	23	17
	62	52	2.8	52	52	52	46	40	34	28	48	3.1	48	48	48	42	36	30	24
	57	50	2.8	50	50	50	44	38	32	26	46	3.1	46	46	46	40	34	28	23
		95°F									105°F									
1200	72	50	3.3	29	25	22	18	15	-	-	45	3.7	27	23	20	16	13	-	-
	67	45	3.4	37	33	30	27	23	20	16	39	3.7	34	31	27	24	21	17	14
	62	41	3.3	41	41	37	34	31	27	24	36	3.6	36	36	33	29	26	22	19
	57	40	3.3	40	40	37	33	30	26	23	35	3.6	35	35	32	29	25	22	19
1400	72	52	3.4	32	28	24	20	16	-	-	47	3.7	30	26	22	18	14	-	-
	67	47	3.4	41	37	33	29	25	20	16	41	3.7	38	34	30	26	22	18	14
	62	42	3.3	42	42	41	37	33	29	24	37	3.6	37	37	36	32	28	24	20
	57	42	3.3	42	42	40	36	32	28	24	37	3.6	37	37	35	31	27	23	19
1600	72	54	3.4	35	30	26	21	16	-	-	49	3.7	33	28	24	19	14	-	-
	67	49	3.4	45	40	35	31	26	21	17	43	3.7	41	37	33	28	24	19	14
	62	44	3.3	44	44	44	39	35	30	25	39	3.6	39	39	39	34	30	25	20
	57	43	3.3	43	43	43	39	34	29	25	39	3.6	39	39	39	34	29	25	20
1800	72	53	3.4	38	33	27	22	17	-	-	49	3.7	36	31	25	20	15	-	-
	67	48	3.4	46	43	38	32	27	22	16	43	3.7	42	39	35	30	24	19	14
	62	44	3.3	44	44	44	38	33	28	22	39	3.6	39	39	39	33	28	23	17
	57	43	3.3	43	43	43	38	32	27	22	38	3.7	38	38	38	33	27	22	17
2000	72	53	3.4	41	35	29	23	17	-	-	48	3.7	39	33	27	21	15	-	-
	67	48	3.4	48	46	40	34	28	22	16	42	3.7	42	41	37	31	25	19	14
	62	43	3.3	43	43	43	37	31	25	19	38	3.7	38	38	38	32	26	20	14
	57	42	3.3	42	42	42	37	31	25	19	38	3.7	38	38	38	32	26	20	14
		115°F									125°F									
1200	72	40	4.0	25	21	18	14	11	-	-	35	4.3	23	19	16	13	9	-	-
	67	34	3.9	32	28	25	21	18	15	11	28	4.2	28	26	22	19	15	12	9
	62	31	3.9	31	31	28	25	21	18	14	26	4.2	26	26	23	20	16	13	10
	57	30	3.9	30	30	28	24	21	17	14	25	4.2	25	25	23	20	16	13	9
1400	72	42	4.0	28	24	20	16	12	-	-	38	4.3	26	22	18	14	10	-	-
	67	36	4.0	35	32	28	24	20	16	11	30	4.3	30	29	25	21	17	13	9
	62	32	3.9	32	32	31	27	23	19	15	28	4.2	28	28	26	22	18	14	10
	57	32	3.9	32	32	31	27	23	19	15	27	4.3	27	27	26	22	18	14	10
1600	72	45	4.0	31	27	22	17	13	-	-	40	4.3	29	25	20	15	11	-	-
	67	38	4.0	38	35	30	26	21	16	12	32	4.3	32	32	28	23	19	14	9
	62	34	3.9	34	34	34	30	25	20	16	29	4.2	29	29	29	25	20	15	11
	57	34	4.0	34	34	34	29	25	20	15	29	4.3	29	29	29	24	20	15	10
1800	72	44	4.0	34	29	24	18	13	-	-	39	4.4	32	27	22	16	11	-	-
	67	37	4.0	37	36	33	27	22	17	11	31	4.3	31	31	30	25	20	14	9
	62	34	4.0	34	34	34	28	23	18	12	29	4.3	29	29	29	23	18	13	8
	57	33	4.0	33	33	33	28	23	17	12	29	4.3	29	29	29	23	18	13	7
2000	72	43	4.1	37	31	25	19	13	-	-	39	4.4	35	29	23	17	11	-	-
	67	36	4.0	36	36	35	29	23	17	11	31	4.3	31	31	31	27	21	15	9
	62	33	4.0	33	33	33	27	21	15	9	28	4.3	28	28	28	22	16	10	4
	57	33	4.0	33	33	33	27	21	15	9	28	4.3	28	28	28	22	16	10	4

1. The capacities are gross ratings. For net capacity, deduct indoor blower motor, MBH=3.415 x kW. Refer to the appropriate Blower Performance table for the kW of the supply air blower motor.
2. These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

TABLE 18: DJ060 COOLING CAPACITIES (5 TON)

Air on Evap-orator Coil		Temperature of Air on Condenser Coil																		
		75°F									85°F									
CFM	WB (°F)	Total Cap.[1] (MBH)	Total[2] Input (kW)	Sensible Capacity (MBH)[1] Return Dry Bulb (°F)							Total Cap.[1] (MBH)	Total[2] Input (kW)	Sensible Capacity (MBH)[1] Return Dry Bulb (°F)						
				86	83	80	77	74	71	68			86	83	80	77	74	71	68
1600	72	73	3.4	41	37	33	29	24	-	-	67	3.9	39	34	30	26	21	-	-
	67	65	3.4	50	45	41	37	32	28	24	60	3.9	47	43	39	34	30	26	22
	62	58	3.4	58	56	52	47	43	39	34	54	3.8	54	52	48	44	39	35	31
	57	55	3.4	55	56	53	49	45	40	36	52	3.9	52	52	49	44	40	36	31
1800	72	76	3.4	45	40	35	30	25	-	-	69	3.9	42	37	32	27	22	-	-
	67	67	3.5	54	48	43	38	33	28	23	62	3.9	52	47	42	37	32	26	21
	62	60	3.4	60	59	55	50	45	39	34	56	3.9	56	55	52	47	41	36	31
	57	57	3.4	57	58	56	51	46	41	36	54	3.9	54	54	52	47	42	37	32
2000	72	79	3.4	48	43	37	31	25	-	-	72	3.9	46	40	34	29	23	-	-
	67	70	3.5	58	52	46	40	34	28	23	64	3.9	56	50	45	39	33	27	21
	62	63	3.4	63	63	58	52	46	40	34	58	3.9	58	58	55	49	44	38	32
	57	60	3.4	60	60	60	54	48	42	36	56	3.9	56	56	56	50	44	38	33
2250	72	80	3.4	53	46	39	33	26	-	-	72	3.9	50	43	37	30	23	-	-
	67	70	3.5	64	56	49	43	36	29	23	65	3.9	61	54	47	41	34	27	21
	62	63	3.4	63	63	60	54	47	41	34	58	3.9	58	58	57	50	44	37	30
	57	60	3.4	60	60	60	53	46	40	33	56	3.9	56	56	56	50	43	36	30
2500	72	80	3.4	57	50	42	35	27	-	-	73	3.9	54	46	39	31	24	-	-
	67	70	3.5	70	60	53	45	38	30	23	65	3.9	65	58	50	43	35	28	20
	62	63	3.4	63	63	63	56	48	41	33	59	3.9	59	59	59	51	44	36	29
	57	60	3.4	60	60	60	52	45	37	30	57	3.9	57	57	57	49	42	34	27
		95°F									105°F									
1600	72	61	4.4	36	31	27	23	19	-	-	57	5.0	33	29	24	20	16	-	-
	67	56	4.4	45	41	36	32	28	24	19	51	4.9	43	38	34	30	26	21	17
	62	51	4.3	51	49	44	40	36	32	27	47	4.9	47	45	40	36	32	28	23
	57	50	4.4	50	48	44	40	36	31	27	47	4.9	47	45	41	36	32	28	24
1800	72	62	4.4	40	35	30	25	20	-	-	58	5.0	37	32	27	22	17	-	-
	67	57	4.4	50	45	40	35	30	25	20	52	4.9	47	42	37	32	27	22	17
	62	52	4.3	52	51	49	44	38	33	28	48	4.9	48	47	44	39	34	29	24
	57	51	4.4	51	50	48	43	38	33	28	48	4.9	48	47	44	39	34	29	24
2000	72	64	4.4	44	38	32	26	21	-	-	59	5.0	41	35	29	23	17	-	-
	67	59	4.4	55	49	43	37	31	26	20	53	4.9	51	46	41	35	29	23	17
	62	53	4.3	53	53	53	47	41	35	29	48	4.9	48	48	48	42	36	31	25
	57	52	4.4	52	52	52	46	41	35	29	48	4.9	48	48	48	43	37	31	25
2250	72	65	4.5	47	41	34	27	21	-	-	60	5.0	44	37	30	24	17	-	-
	67	59	4.4	57	52	46	39	32	26	19	54	4.9	53	49	43	36	29	23	16
	62	54	4.3	54	54	54	47	40	34	27	49	4.9	49	49	49	42	35	29	22
	57	53	4.4	53	53	53	46	40	33	26	49	5.0	49	49	49	42	36	29	22
2500	72	66	4.5	51	43	36	28	21	-	-	60	5.1	47	39	32	25	17	-	-
	67	60	4.4	60	55	48	40	33	26	18	54	5.0	54	52	45	37	30	23	15
	62	55	4.4	55	55	55	47	40	32	25	49	4.9	49	49	49	42	34	27	20
	57	54	4.4	54	54	54	46	39	31	24	49	5.0	49	49	49	42	34	27	20
		115°F									125°F									
1600	72	53	5.6	30	26	21	17	13	-	-	49	6.1	27	23	19	14	10	-	-
	67	47	5.5	40	36	32	28	23	19	15	42	6.0	38	34	29	25	21	17	12
	62	43	5.4	43	41	36	32	28	24	19	39	6.0	39	37	32	28	24	20	15
	57	44	5.5	44	41	37	33	29	24	20	41	6.1	41	38	34	29	25	21	17
1800	72	53	5.6	34	29	24	19	14	-	-	49	6.1	31	26	21	16	10	-	-
	67	47	5.5	44	40	35	30	25	20	15	42	6.0	41	38	33	27	22	17	12
	62	43	5.4	43	42	40	35	30	25	20	39	6.0	39	38	36	31	26	21	16
	57	44	5.5	44	43	41	36	31	26	21	41	6.1	41	39	37	32	27	22	17
2000	72	54	5.5	37	32	26	20	14	-	-	49	6.1	34	28	23	17	11	-	-
	67	48	5.5	48	44	38	32	26	21	15	42	6.0	42	41	36	30	24	18	12
	62	44	5.4	44	44	44	38	32	26	20	39	5.9	39	39	39	33	27	22	16
	57	45	5.5	45	45	45	39	33	27	21	41	6.1	41	41	41	35	29	23	17
2250	72	54	5.6	40	34	27	20	14	-	-	49	6.1	37	30	24	17	10	-	-
	67	48	5.5	48	46	40	33	27	20	13	42	6.0	42	42	37	31	24	17	11
	62	44	5.4	44	44	44	37	31	24	17	39	6.0	39	39	39	32	26	19	13
	57	45	5.5	45	45	45	38	32	25	18	41	6.1	41	41	41	34	27	21	14
2500	72	55	5.6	43	36	28	21	13	-	-	49	6.2	39	32	25	17	10	-	-
	67	48	5.5	48	48	42	34	27	20	12	42	6.1	42	42	39	31	24	16	9
	62	44	5.5	44	44	44	37	29	22	14	39	6.0	39	39	39	32	24	17	9
	57	45	5.6	45	45	45	38	30	23	15	41	6.2	41	41	41	33	26	18	11

1. The capacities are gross ratings. For net capacity, deduct indoor blower motor, MBH=3.415 x kW. Refer to the appropriate Blower Performance table for the kW of the supply air blower motor.
2. These ratings include the condenser fan motors (total 1 kW) and the compressor motors but not the supply air blower motor.

TABLE 19: SUPPLY AIR BLOWER PERFORMANCE (DJ036 BELT DRIVE) - SIDE DUCT APPLICATION

AIR FLOW CFM	AVAILABLE EXTERNAL STATIC PRESSURE - IWG[1]														
	0.2			0.3			0.4			0.5			0.6		
	RPM	WATTS	BHP	RPM	WATTS	BHP	RPM	WATTS	BHP	RPM	WATTS	BHP	RPM	WATTS	BHP
800	----	----	----	----	----	----	696	357	0.38	743	389	0.42	786	422	0.45
900	----	----	----	656	353	0.38	706	385	0.41	753	417	0.45	797	450	0.48
1000	----	----	----	671	376	0.40	722	408	0.44	768	440	0.47	812	473	0.51
1100	634	364	0.39	690	398	0.43	741	431	0.46	787	463	0.50	831	496	0.53
1200	656	389	0.42	712	423	0.45	763	455	0.49	809	488	0.52	853	520	0.56
1300	681	418	0.45	737	452	0.49	787	485	0.52	834	517	0.55	877	550	0.59
1400	707	454	0.49	763	488	0.52	813	520	0.56	860	552	0.59	903	585	0.63
1500	735	496	0.53	791	530	0.57	841	562	0.60	887	594	0.64	931	627	0.67
1600	763	545	0.58	819	579	0.62	870	612	0.66	916	644	0.69	960	677	0.73
1700	793	602	0.65	849	636	0.68	900	669	0.72	946	701	0.75	990	734	0.79
1800	824	667	0.72	880	701	0.75	930	733	0.79	977	765	0.82	1021	798	0.86
1900	855	739	0.79	911	773	0.83	962	806	0.86	1008	838	0.90	1052	871	0.93
2000	887	819	0.88	943	853	0.92	994	886	0.95	1040	918	0.98	1084	951	1.02

AIR FLOW CFM	AVAILABLE EXTERNAL STATIC PRESSURE - IWG[1]														
	0.7			0.8			0.9			1.0			1.1		
	RPM	WATTS	BHP	RPM	WATTS	BHP	RPM	WATTS	BHP	RPM	WATTS	BHP	RPM	WATTS	BHP
800	829	457	0.49	872	495	0.53	916	538	0.58	964	586	0.63	1017	642	0.69
900	839	485	0.52	882	524	0.56	927	566	0.61	975	615	0.66	1027	670	0.72
1000	854	508	0.55	897	547	0.59	942	589	0.63	990	638	0.68	1043	693	0.74
1100	874	531	0.57	916	569	0.61	961	612	0.66	1009	660	0.71	1062	715	0.77
1200	896	555	0.60	938	594	0.64	983	636	0.68	1031	685	0.73	1084	740	0.79
1300	920	585	0.63	963	623	0.67	1007	666	0.71	1055	714	0.77	1108	770	0.83
1400	946	620	0.67	989	659	0.71	1034	701	0.75	1082	750	0.80	----	----	----
1500	974	662	0.71	1017	701	0.75	1061	743	0.80	1109	792	0.85	----	----	----
1600	1003	712	0.76	1045	750	0.80	1090	793	0.85	----	----	----	----	----	----
1700	1032	769	0.82	1075	807	0.87	----	----	----	----	----	----	----	----	----
1800	1063	833	0.89	1106	872	0.94	----	----	----	----	----	----	----	----	----
1900	1094	906	0.97	----	----	----	----	----	----	----	----	----	----	----	----
2000	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

1. Blower performance includes gas heat exchangers and 1” filters. See STATIC RESISTANCE table for additional applications.

Factory Installed AK74 blower sheave and A39 belt.

AK61 blower sheave and A36 belt - Field installation required.

TABLE 20: SUPPLY AIR BLOWER PERFORMANCE (DJ036 BELT DRIVE) - BOTTOM DUCT APPLICATION

AIR FLOW CFM	AVAILABLE EXTERNAL STATIC PRESSURE - IWG[1]														
	0.2			0.3			0.4			0.5			0.6		
	RPM	WATTS	BHP	RPM	WATTS	BHP	RPM	WATTS	BHP	RPM	WATTS	BHP	RPM	WATTS	BHP
800	----	----	----	----	----	----	----	----	----	749	384	0.41	791	422	0.45
900	----	----	----	----	----	----	720	364	0.39	764	404	0.43	806	443	0.47
1000	----	----	----	690	346	0.37	739	388	0.42	783	429	0.46	824	467	0.50
1100	657	334	0.36	711	376	0.40	760	417	0.45	804	458	0.49	845	497	0.53
1200	681	369	0.40	735	410	0.44	784	452	0.49	828	493	0.53	869	532	0.57
1300	707	409	0.44	761	451	0.48	809	493	0.53	854	534	0.57	895	572	0.61
1400	735	456	0.49	789	498	0.53	837	540	0.58	882	581	0.62	923	619	0.66
1500	765	509	0.55	819	550	0.59	867	592	0.64	911	633	0.68	953	672	0.72
1600	796	567	0.61	850	609	0.65	899	651	0.70	943	692	0.74	984	730	0.78
1700	829	631	0.68	883	673	0.72	932	715	0.77	976	756	0.81	1017	794	0.85
1800	863	701	0.75	918	743	0.80	966	785	0.84	1010	826	0.89	1051	864	0.93
1900	899	776	0.83	953	818	0.88	1001	860	0.92	1045	901	0.97	1087	939	1.01
2000	936	857	0.92	990	899	0.96	1038	941	1.01	1082	981	1.05	----	----	----

AIR FLOW CFM	AVAILABLE EXTERNAL STATIC PRESSURE - IWG[1]														
	0.7			0.8			0.9			1.0			1.1		
	RPM	WATTS	BHP	RPM	WATTS	BHP	RPM	WATTS	BHP	RPM	WATTS	BHP	RPM	WATTS	BHP
800	831	456	0.49	871	486	0.52	914	509	0.55	961	525	0.56	1012	532	0.57
900	846	477	0.51	886	507	0.54	929	530	0.57	976	546	0.59	1027	553	0.59
1000	864	502	0.54	905	531	0.57	947	555	0.60	994	571	0.61	1046	578	0.62
1100	885	531	0.57	926	561	0.60	969	584	0.63	1015	600	0.64	1067	607	0.65
1200	909	566	0.61	950	596	0.64	992	619	0.66	1039	635	0.68	1091	642	0.69
1300	935	607	0.65	976	636	0.68	1018	660	0.71	1065	676	0.72	----	----	----
1400	963	654	0.70	1004	683	0.73	1046	707	0.76	1093	722	0.77	----	----	----
1500	993	706	0.76	1033	736	0.79	1076	759	0.81	----	----	----	----	----	----
1600	1024	765	0.82	1065	794	0.85	1108	818	0.88	----	----	----	----	----	----
1700	1057	829	0.89	1098	859	0.92	----	----	----	----	----	----	----	----	----
1800	1091	899	0.96	----	----	----	----	----	----	----	----	----	----	----	----
1900	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2000	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

1. Blower performance includes gas heat exchangers and 1” filters. See STATIC RESISTANCE table for additional applications.

Factory Installed AK74 blower sheave and A39 belt.

AK61 blower sheave and A36 belt - Field installation required.

TABLE 21: SUPPLY AIR BLOWER PERFORMANCE (DJ048 BELT DRIVE) - SIDE DUCT APPLICATION

AIR FLOW CFM	AVAILABLE EXTERNAL STATIC PRESSURE - IWG[1]																	
	0.2			0.3			0.4			0.5			0.6			0.7		
	RPM	WATTS	BHP	RPM	WATTS	BHP	RPM	WATTS	BHP	RPM	WATTS	BHP	RPM	WATTS	BHP	RPM	WATTS	BHP
1000	----	----	----	----	----	----	----	----	----	789	527	0.57	831	567	0.61	874	602	0.65
1100	----	----	----	----	----	----	----	----	----	811	559	0.60	854	599	0.64	896	634	0.68
1200	----	----	----	----	----	----	791	548	0.59	833	592	0.63	876	632	0.68	918	667	0.72
1300	----	----	----	772	539	0.58	813	584	0.63	855	628	0.67	898	668	0.72	940	703	0.75
1400	----	----	----	795	579	0.62	836	624	0.67	878	668	0.72	920	708	0.76	963	744	0.80
1500	779	578	0.62	819	624	0.67	860	669	0.72	902	713	0.77	944	753	0.81	987	789	0.85
1600	804	629	0.67	844	675	0.72	885	720	0.77	927	764	0.82	970	804	0.86	1013	839	0.90
1700	831	685	0.74	871	731	0.78	913	777	0.83	955	820	0.88	997	861	0.92	1040	896	0.96
1800	860	748	0.80	901	794	0.85	942	839	0.90	984	883	0.95	1026	923	0.99	1069	958	1.03
1900	891	817	0.88	931	862	0.92	973	908	0.97	1015	951	1.02	1057	992	1.06	1100	1027	1.10
2000	924	891	0.96	964	937	1.01	1005	982	1.05	1047	1026	1.10	1090	1066	1.14	1133	1102	1.18
2100	959	972	1.04	999	1018	1.09	1040	1063	1.14	1082	1107	1.19	1125	1147	1.23	1167	1182	1.27
2200	996	1059	1.14	1036	1104	1.18	1077	1150	1.23	1119	1194	1.28	1162	1234	1.32	----	----	----
2300	1034	1151	1.24	1075	1197	1.28	1116	1243	1.33	1158	1286	1.38	----	----	----	----	----	----
2400	1075	1250	1.34	1115	1296	1.39	1156	1341	1.44	----	----	----	----	----	----	----	----	----
2500	1118	1354	1.45	1158	1400	1.50	----	----	----	----	----	----	----	----	----	----	----	----

AIR FLOW CFM	AVAILABLE EXTERNAL STATIC PRESSURE - IWG[1]																	
	0.8			0.9			1.0			1.1			1.2			1.3		
	RPM	WATTS	BHP	RPM	WATTS	BHP	RPM	WATTS	BHP	RPM	WATTS	BHP	RPM	WATTS	BHP	RPM	WATTS	BHP
1000	917	631	0.68	959	651	0.70	1001	660	0.71	1041	658	0.71	1081	642	0.69	1119	611	0.66
1100	939	663	0.71	981	683	0.73	1023	692	0.74	1064	690	0.74	1103	674	0.72	1141	643	0.69
1200	961	696	0.75	1003	716	0.77	1045	725	0.78	1086	723	0.78	1125	707	0.76	1163	676	0.73
1300	983	732	0.79	1025	752	0.81	1067	761	0.82	1108	759	0.81	1147	743	0.80	1185	712	0.76
1400	1006	772	0.83	1048	792	0.85	1090	801	0.86	1130	799	0.86	1170	783	0.84	----	----	----
1500	1030	817	0.88	1072	837	0.90	1114	847	0.91	1154	844	0.91	1194	829	0.89	----	----	----
1600	1055	868	0.93	1098	888	0.95	1139	897	0.96	1180	895	0.96	----	----	----	----	----	----
1700	1083	924	0.99	1125	944	1.01	1166	954	1.02	----	----	----	----	----	----	----	----	----
1800	1112	987	1.06	1154	1007	1.08	----	----	----	----	----	----	----	----	----	----	----	----
1900	1142	1055	1.13	1185	1075	1.15	----	----	----	----	----	----	----	----	----	----	----	----
2000	1175	1130	1.21	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2100	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2200	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2300	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2400	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2500	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

1. Blower performance includes gas heat exchangers and 1” filters. See STATIC RESISTANCE table for additional applications.

Factory Installed AK61 blower sheave and A36 belt.

AK56 blower sheave and A36 belt - Field installation required.

TABLE 22: SUPPLY AIR BLOWER PERFORMANCE (DJ048 BELT DRIVE) - BOTTOM DUCT APPLICATION

AIR FLOW CFM	AVAILABLE EXTERNAL STATIC PRESSURE - IWG[1]																	
	0.2			0.3			0.4			0.5			0.6			0.7		
	RPM	WATTS	BHP	RPM	WATTS	BHP	RPM	WATTS	BHP	RPM	WATTS	BHP	RPM	WATTS	BHP	RPM	WATTS	BHP
1000	----	----	----	----	----	----	----	----	----	----	----	----	833	564	0.61	879	605	0.65
1100	----	----	----	----	----	----	----	----	----	809	549	0.59	854	592	0.63	900	633	0.68
1200	----	----	----	----	----	----	786	538	0.58	830	581	0.62	875	623	0.67	920	664	0.71
1300	----	----	----	766	535	0.57	808	574	0.62	851	617	0.66	896	659	0.71	942	700	0.75
1400	749	541	0.58	789	576	0.62	830	616	0.66	874	658	0.71	918	701	0.75	964	742	0.80
1500	774	587	0.63	813	622	0.67	855	662	0.71	898	705	0.76	943	747	0.80	989	788	0.85
1600	801	639	0.69	840	674	0.72	881	714	0.77	925	757	0.81	970	799	0.86	1015	840	0.90
1700	830	697	0.75	869	732	0.79	911	772	0.83	954	814	0.87	999	857	0.92	1045	898	0.96
1800	862	760	0.81	901	795	0.85	943	835	0.90	986	877	0.94	1031	920	0.99	1077	960	1.03
1900	897	828	0.89	936	863	0.93	977	903	0.97	1021	945	1.01	1066	988	1.06	1111	1029	1.10
2000	934	901	0.97	973	936	1.00	1015	976	1.05	1058	1018	1.09	1103	1061	1.14	1149	1102	1.18
2100	974	979	1.05	1013	1014	1.09	1055	1054	1.13	1098	1097	1.18	1143	1139	1.22	1189	1180	1.27
2200	1017	1063	1.14	1056	1098	1.18	1098	1138	1.22	1141	1180	1.27	1186	1223	1.31	----	----	----
2300	1063	1151	1.23	1102	1186	1.27	1144	1226	1.31	1187	1268	1.36	----	----	----	----	----	----
2400	1111	1243	1.33	1151	1278	1.37	1192	1318	1.41	----	----	----	----	----	----	----	----	----
2500	1163	1340	1.44	1202	1376	1.48	----	----	----	----	----	----	----	----	----	----	----	----

AIR FLOW CFM	AVAILABLE EXTERNAL STATIC PRESSURE - IWG[1]																	
	0.8			0.9			1.0			1.1			1.2			1.3		
	RPM	WATTS	BHP	RPM	WATTS	BHP	RPM	WATTS	BHP	RPM	WATTS	BHP	RPM	WATTS	BHP	RPM	WATTS	BHP
1000	925	642	0.69	971	673	0.72	1017	696	0.75	1061	708	0.76	1103	708	0.76	1144	693	0.74
1100	946	670	0.72	992	701	0.75	1037	723	0.78	1082	736	0.79	1124	735	0.79	1165	721	0.77
1200	967	701	0.75	1013	732	0.79	1058	755	0.81	1102	767	0.82	1145	767	0.82	1185	752	0.81
1300	988	737	0.79	1034	768	0.82	1079	791	0.85	1123	803	0.86	1166	803	0.86	----	----	----
1400	1010	779	0.84	1056	809	0.87	1102	832	0.89	1146	844	0.91	1188	844	0.91	----	----	----
1500	1035	825	0.89	1081	856	0.92	1126	879	0.94	1170	891	0.96	----	----	----	----	----	----
1600	1062	877	0.94	1108	908	0.97	1153	931	1.00	1197	943	1.01	----	----	----	----	----	----
1700	1091	935	1.00	1137	966	1.04	1182	988	1.06	----	----	----	----	----	----	----	----	----
1800	1123	997	1.07	1169	1028	1.10	----	----	----	----	----	----	----	----	----	----	----	----
1900	1157	1066	1.14	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2000	1195	1139	1.22	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2100	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2200	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2300	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2400	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2500	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

1. Blower performance includes gas heat exchangers and 1” filters. See STATIC RESISTANCE table for additional applications.

Factory Installed AK61 blower sheave and A36 belt.

AK56 blower sheave and A36 belt - Field installation required.

TABLE 23: SUPPLY AIR BLOWER PERFORMANCE (DJ060 BELT DRIVE) - SIDE DUCT APPLICATION

AIR FLOW CFM	AVAILABLE EXTERNAL STATIC PRESSURE - IWG[1]																	
	0.2			0.3			0.4			0.5			0.6			0.7		
	RPM	WATTS	BHP	RPM	WATTS	BHP	RPM	WATTS	BHP	RPM	WATTS	BHP	RPM	WATTS	BHP	RPM	WATTS	BHP
1200	----	----	----	----	----	----	----	----	----	----	----	----	876	632	0.68	918	667	0.72
1300	----	----	----	----	----	----	----	----	----	855	628	0.67	898	668	0.72	940	703	0.75
1400	----	----	----	----	----	----	836	624	0.67	878	668	0.72	920	708	0.76	963	744	0.80
1500	----	----	----	819	624	0.67	860	669	0.72	902	713	0.77	944	753	0.81	987	789	0.85
1600	----	----	----	844	675	0.72	885	720	0.77	927	764	0.82	970	804	0.86	1013	839	0.90
1700	831	685	0.74	871	731	0.78	913	777	0.83	955	820	0.88	997	861	0.92	1040	896	0.96
1800	860	748	0.80	901	794	0.85	942	839	0.90	984	883	0.95	1026	923	0.99	1069	958	1.03
1900	891	817	0.88	931	862	0.92	973	908	0.97	1015	951	1.02	1057	992	1.06	1100	1027	1.10
2000	924	891	0.96	964	937	1.01	1005	982	1.05	1047	1026	1.10	1090	1066	1.14	1133	1102	1.18
2100	959	972	1.04	999	1018	1.09	1040	1063	1.14	1082	1107	1.19	1125	1147	1.23	1167	1182	1.27
2200	996	1059	1.14	1036	1104	1.18	1077	1150	1.23	1119	1194	1.28	1162	1234	1.32	----	----	----
2300	1034	1151	1.24	1075	1197	1.28	1116	1243	1.33	1158	1286	1.38	----	----	----	----	----	----
2400	1075	1250	1.34	1115	1296	1.39	1156	1341	1.44	----	----	----	----	----	----	----	----	----
2500	1118	1354	1.45	1158	1400	1.50	----	----	----	----	----	----	----	----	----	----	----	----

AIR FLOW CFM	AVAILABLE EXTERNAL STATIC PRESSURE - IWG[1]																	
	0.8			0.9			1.0			1.1			1.2			1.3		
	RPM	WATTS	BHP	RPM	WATTS	BHP	RPM	WATTS	BHP	RPM	WATTS	BHP	RPM	WATTS	BHP	RPM	WATTS	BHP
1200	961	696	0.75	1003	716	0.77	1045	725	0.78	1086	723	0.78	1125	707	0.76	1163	676	0.73
1300	983	732	0.79	1025	752	0.81	1067	761	0.82	1108	759	0.81	1147	743	0.80	1185	712	0.76
1400	1006	772	0.83	1048	792	0.85	1090	801	0.86	1130	799	0.86	1170	783	0.84	----	----	----
1500	1030	817	0.88	1072	837	0.90	1114	847	0.91	1154	844	0.91	1194	829	0.89	----	----	----
1600	1055	868	0.93	1098	888	0.95	1139	897	0.96	1180	895	0.96	----	----	----	----	----	----
1700	1083	924	0.99	1125	944	1.01	1166	954	1.02	----	----	----	----	----	----	----	----	----
1800	1112	987	1.06	1154	1007	1.08	----	----	----	----	----	----	----	----	----	----	----	----
1900	1142	1055	1.13	1185	1075	1.15	----	----	----	----	----	----	----	----	----	----	----	----
2000	1175	1130	1.21	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2100	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2200	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2300	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2400	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2500	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

1. Blower performance includes gas heat exchangers and 1” filters. See STATIC RESISTANCE table for additional applications.

Factory Installed AK56 blower sheave and A36 belt.

TABLE 24: SUPPLY AIR BLOWER PERFORMANCE (DJ060 BELT DRIVE) - BOTTOM DUCT APPLICATION

AIR FLOW CFM	AVAILABLE EXTERNAL STATIC PRESSURE - IWG[1]																	
	0.2			0.3			0.4			0.5			0.6			0.7		
	RPM	WATTS	BHP	RPM	WATTS	BHP	RPM	WATTS	BHP	RPM	WATTS	BHP	RPM	WATTS	BHP	RPM	WATTS	BHP
1000	----	----	----	----	----	----	----	----	----	----	----	----	862	453	0.49	901	498	0.53
1100	----	----	----	----	----	----	----	----	----	----	----	----	883	494	0.53	922	539	0.58
1200	----	----	----	----	----	----	----	----	----	866	489	0.53	904	536	0.58	943	581	0.62
1300	----	----	----	----	----	----	850	488	0.52	889	535	0.57	928	581	0.62	967	627	0.67
1400	----	----	----	836	491	0.53	875	537	0.58	913	584	0.63	952	631	0.68	991	676	0.73
1500	----	----	----	862	545	0.58	901	591	0.63	940	638	0.68	978	685	0.73	1017	730	0.78
1600	851	559	0.60	890	604	0.65	928	650	0.70	967	697	0.75	1006	744	0.80	1045	789	0.85
1700	880	624	0.67	919	668	0.72	958	714	0.77	996	761	0.82	1035	808	0.87	1074	853	0.92
1800	911	694	0.74	949	738	0.79	988	785	0.84	1027	832	0.89	1066	878	0.94	1105	923	0.99
1900	942	770	0.83	981	814	0.87	1020	860	0.92	1059	907	0.97	1097	954	1.02	1136	999	1.07
2000	976	851	0.91	1014	895	0.96	1053	941	1.01	1092	989	1.06	1130	1035	1.11	1169	1080	1.16
2100	1010	938	1.01	1049	982	1.05	1087	1028	1.10	1126	1075	1.15	1165	1122	1.20	1204	1167	1.25
2200	1046	1030	1.11	1084	1075	1.15	1123	1121	1.20	1162	1168	1.25	1200	1215	1.30	----	----	----
2300	1082	1128	1.21	1121	1172	1.26	1160	1219	1.31	1198	1266	1.36	----	----	----	----	----	----
2400	1120	1231	1.32	1159	1276	1.37	1198	1322	1.42	----	----	----	----	----	----	----	----	----
2500	1159	1340	1.44	1198	1384	1.48	----	----	----	----	----	----	----	----	----	----	----	----

AIR FLOW CFM	AVAILABLE EXTERNAL STATIC PRESSURE - IWG[1]																	
	0.8			0.9			1.0			1.1			1.2			1.3		
	RPM	WATTS	BHP	RPM	WATTS	BHP	RPM	WATTS	BHP	RPM	WATTS	BHP	RPM	WATTS	BHP	RPM	WATTS	BHP
1000	940	541	0.58	980	579	0.62	1019	613	0.66	1059	641	0.69	1099	662	0.71	1140	674	0.72
1100	961	582	0.62	1000	621	0.67	1040	654	0.70	1080	682	0.73	1120	703	0.75	1161	715	0.77
1200	983	624	0.67	1022	663	0.71	1062	697	0.75	1101	725	0.78	1142	745	0.80	1182	758	0.81
1300	1006	669	0.72	1045	708	0.76	1085	742	0.80	1125	770	0.83	1165	791	0.85	----	----	----
1400	1030	718	0.77	1070	757	0.81	1109	791	0.85	1149	819	0.88	1190	840	0.90	----	----	----
1500	1057	772	0.83	1096	811	0.87	1136	845	0.91	1176	873	0.94	----	----	----	----	----	----
1600	1084	831	0.89	1124	870	0.93	1163	904	0.97	1203	932	1.00	----	----	----	----	----	----
1700	1113	896	0.96	1153	935	1.00	1192	969	1.04	----	----	----	----	----	----	----	----	----
1800	1144	966	1.04	1183	1005	1.08	----	----	----	----	----	----	----	----	----	----	----	----
1900	1175	1042	1.12	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2000	1209	1123	1.20	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2100	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2200	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2300	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2400	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2500	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

1. Blower performance includes gas heat exchangers and 1” filters. See STATIC RESISTANCE table for additional applications.

Factory Installed AK56 blower sheave and A36 belt.

TABLE 25: BELT DRIVE BLOWER MOTOR AND DRIVE DATA

MODEL SIZE	BLOWER RANGE (RPM)	MOTOR[1]		ADJUSTABLE MOTOR PULLEY				FIXED BLOWER PULLEY				BELT (NOTCHED)		
		HP	FRAME	DESIG-NATION	OUTSIDE DIA. (IN.)	PITCH DIA. (IN.)	BORE (IN.)	DESIG-NATION	OUTSIDE DIA. (IN.)	PITCH DIA. (IN.)	BORE (IN.)	DESIG-NATION	PITCH LENGTH (IN.)	QTY.
DJ036	600/920	1-1/2	56	1VL40	2.7-3.7	2.4-3.4	5/8	AK74	7.2	7.0	1	A39	40.3	1
DJ048	790/1120	1-1/2	56	1VL40	2.7-3.7	2.4-3.4	5/8	AK61	5.9	5.7	1	A36	37.3	1
DJ060	850/1220	1-1/2	56	1VL40	2.7-3.7	2.4-3.4	5/8	AK56	5.4	5.2	1	A36	37.3	1

1. All motors have solid bases and are inherently protected. These motors can be selected to operate into their service factor because they are located in the moving air, upstream of any heating device.

TABLE 26: STATIC RESISTANCES

DESCRIPTION		RESISTANCE, IWG										
		CFM										
		1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000
ECONOMIZER[1,3]		0.07	0.08	0.09	0.11	0.13	0.15	0.17	0.20	0.23	0.26	0.30
ELECTRIC HEATERS[1]	7-15KW	0.04	0.05	0.06	0.07	0.08	0.10	0.12	0.14	0.16	0.19	0.22
	20-30KW	0.06	0.07	0.08	0.09	0.11	0.13	0.15	0.17	0.20	0.23	0.26
COOLING ONLY[2]		0.08	0.10	0.12	0.14	0.16	0.18	0.20	0.23	0.26	0.29	0.32

1. Deduct these resistance values from the available external static pressure shown in SUPPLY AIR BLOWER PERFORMANCE Tables.
2. Add these resistance values to the available static resistance values on SUPPLY AIR BLOWER PERFORMANCE Tables.
3. The pressure through the economizer is greater for 100% outdoor air than for 100% return air. If the resistance of the return air duct system is less than 0.25 IWG, the unit will deliver less CFM during full economizer operation.

TABLE 27: ELECTRIC HEATER CFM LIMITATIONS

UNIT MODEL SIZE NOMINAL TONS	VOLTAGE	MINIMUM SUPPLY AIR CFM					
		HEATER SIZE NOMINAL KW					
		5	7	10	15	20	30
3	208/230-1-60	1100	1100	1200	1200	1300	-
	208/230-3-60	1100	1100	1200	1200	1300	-
	460-3-60	-	1100	1200	1200	1300	-
	575-3-60	-	-	1200	1200	1300	-
4	208/230-1-60	1300	1300	1300	1300	1300	-
	208/230-3-60	1300	1300	1300	1300	1300	-
	460-3-60	-	1300	1300	1300	1300	-
	575-3-60	-	-	1300	1300	1400	-
5	208/230-1-60	1600	1600	1600	1600	1600	1600
	208/230-3-60	1600	1600	1600	1600	1600	1600
	460-3-60	1600	1600	1600	1600	1600	1600
	575-3-60	-	1600	1600	1600	1600	1800

TABLE 28: ELECTRICAL DATA - DJ036, 048 & 060 BELT DRIVE W/O POWERED CONVENIENCE OUTLET

MODEL TONNAGE	VOLTAGE	COMPRESSORS		OD FAN MOTOR FLA	ID BLOWER MOTOR FLA	CONV OUTLET FLA	ELECTRIC HEATER MODEL NO.	HEATER KW	HEATER AMPS	MIN. CIRCUIT AMPACITY (AMPS)	MAX. FUSE/ BRKR[1] SIZE (AMPS)
		RLA EACH	LRA EACH								
DJ036	208-1-60	11.3	68.0	2.3	7.6	0.0	None	--	--	24.0	30
							2CE04510506	4.0	19.2	33.5	35
							2CE04510706	5.6	26.9	43.2	45
							2CE04511006	8.0	38.5	57.6	60
							2CE04511506	11.9	57.2	81.0	90
							2CE04512006	15.9	76.4	105.1	110
	230-1-60	11.3	68.0	2.3	7.6	0.0	None	--	--	24.0	30
							2CE04510506	5.3	22.1	37.1	40
							2CE04510706	7.5	31.3	48.6	50
							2CE04511006	10.6	44.2	64.7	70
							2CE04511506	15.9	66.3	92.3	100
							2CE04512006	21.2	88.3	119.9	125
	208-3-60	8.3	68.0	2.3	5.2	0.0	None	--	--	17.9	25
							2CE04510525[2]	4.0	11.1	20.4	25
							2CE04510725[2]	5.6	15.5	25.9	30
							2CE04511025	8.0	22.2	34.3	35
							2CE04511525	11.9	33.0	47.8	50
							2CE04512025	15.9	44.1	61.7	70
	230-3-60	8.3	68.0	2.3	5.2	0.0	None	--	--	17.9	25
							2CE04510525[2]	5.3	12.7	22.4	25
							2CE04510725[2]	7.5	18.0	29.1	30
							2CE04511025	10.6	25.5	38.4	40
							2CE04511525	15.9	38.2	54.3	60
							2CE04512025	21.2	51.0	70.2	80
	460-3-60	5.1	34.0	1.3	2.6	0.0	None	--	--	10.3	15
							2CE04510746[2]	6.8	8.2	13.5	15
							2CE04511046[2]	10.1	12.1	18.4	20
							2CE04511546[2]	13.6	16.4	23.7	25
							2CE04512046[2]	19.5	23.5	32.6	35
	575-3-60	3.2	26.0	1.3	2.0	0.0	None	--	--	7.0	15
							2CE04511058	10.6	10.2	15.2	20
							2CE04511558	15.9	15.3	21.6	25
							2CE04512058	21.2	20.4	28.0	30
DJ048	208-1-60	15.4	86.0	2.3	7.6	0.0	None	--	--	29.1	35
							2CE04510506	4.0	19.2	33.5	40
							2CE04510706	5.6	26.9	43.2	45
							2CE04511006	8.0	38.5	57.6	60
							2CE04511506	11.9	57.2	81.0	90
							2CE04512006	15.9	76.4	105.1	110
	230-1-60	15.4	86.0	2.3	7.6	0.0	None	--	--	29.1	35
							2CE04510506	5.3	22.1	37.1	40
							2CE04510706	7.5	31.3	48.6	50
							2CE04511006	10.6	44.2	64.7	70
							2CE04511506	15.9	66.3	92.3	100
							2CE04512006	21.2	88.3	119.9	125
	208-3-60	11.5	84.0	2.3	5.2	0.0	None	--	--	21.9	30
							2CE04510525[2]	4.0	11.1	21.9	30
							2CE04510725[2]	5.6	15.5	25.9	30
							2CE04511025	8.0	22.2	34.3	35
							2CE04511525	11.9	33.0	47.8	50
							2CE04512025	15.9	44.1	61.7	70
	230-3-60	11.5	84.0	2.3	5.2	0.0	None	--	--	21.9	30
							2CE04510525[2]	5.3	12.7	22.4	30
							2CE04510725[2]	7.5	18.0	29.1	30
							2CE04511025	10.6	25.5	38.4	40
							2CE04511525	15.9	38.2	54.3	60
							2CE04512025	21.2	51.0	70.2	80
	460-3-60	5.8	42.0	1.3	2.6	0.0	None	--	--	11.1	15
							2CE04510746[2]	6.8	8.2	13.5	15
							2CE04511046[2]	10.1	12.1	18.4	20
							2CE04511546[2]	13.6	16.4	23.7	25
							2CE04512046[2]	19.5	23.5	32.6	35
	575-3-60	5.1	34.0	1.3	2.0	0.0	None	--	--	9.4	15
							2CE04511058	10.6	10.2	15.2	20
							2CE04511558	15.9	15.3	21.6	25
							2CE04512058	21.2	20.4	28.0	30

TABLE 28: ELECTRICAL DATA - DJ036, 048 & 060 BELT DRIVE W/O POWERED CONVENIENCE OUTLET (CONT)

MODEL TONNAGE	VOLTAGE	COMPRESSORS		OD FAN MOTOR FLA	ID BLOWER MOTOR FLA	CONV OUTLET FLA	ELECTRIC HEATER MODEL NO.	HEATER KW	HEATER AMPS	MIN. CIRCUIT AMPACITY (AMPS)	MAX. FUSE/ BRKR[1] SIZE (AMPS)
		RLA EACH	LRA EACH								
DJ060	208-1-60	25.0	150.0	2.3	7.6	0.0	None	--	--	41.2	45
							2CE04510506	4.0	19.2	41.2	45
							2CE04510706	5.6	26.9	43.2	60
							2CE04511006	8.0	38.5	57.6	60
							2CE04511506	11.9	57.2	81.0	90
							2CE04512006	15.9	76.4	105.1	110
							2CE04513006	22.2	106.7	142.9	150
	230-1-60	25.0	150.0	2.3	7.6	0.0	None	--	--	41.2	45
							2CE04510506	5.3	22.1	41.2	45
							2CE04510706	7.5	31.3	48.6	60
							2CE04511006	10.6	44.2	64.7	70
							2CE04511506	15.9	66.3	92.3	100
							2CE04512006	21.2	88.3	119.9	125
							2CE04513006	29.6	123.3	163.7	175
	208-3-60	17.3	123.0	2.3	5.2	0.0	None	--	--	29.1	35
							2CE04510525[2]	4.0	11.1	29.1	35
							2CE04510725[2]	5.6	15.5	29.1	35
							2CE04511025	8.0	22.2	34.3	45
							2CE04511525	11.9	33.0	47.8	50
							2CE04512025	15.9	44.1	61.7	70
							2CE04513025	22.2	61.6	83.5	90
	230-3-60	17.3	123.0	2.3	5.2	0.0	None	--	--	29.1	35
							2CE04510525[2]	5.3	12.7	29.1	35
							2CE04510725[2]	7.5	18.0	29.1	35
							2CE04511025	10.6	25.5	38.4	45
							2CE04511525	15.9	38.2	54.3	60
							2CE04512025	21.2	51.0	70.2	80
							2CE04513025	29.6	71.2	95.5	100
	460-3-60	8.4	70.0	1.3	2.6	0.0	None	--	--	14.4	20
							2CE04510746[2]	6.8	8.2	14.4	20
							2CE04511046[2]	10.1	12.1	18.4	20
							2CE04511546[2]	13.6	16.4	23.7	25
							2CE04512046[2]	19.5	23.5	32.6	35
							2CE04513046[2]	28.8	34.6	46.6	50
	575-3-60	7.0	53.0	1.3	2.0	0.0	None	--	--	11.8	15
							2CE04511058	10.6	10.2	15.2	20
							2CE04511558	15.9	15.3	21.6	25
							2CE04512058	21.2	20.4	28.0	30
							2CE04513058	30.4	29.3	39.1	40

1. HACR Type per NEC.
2. These electric heaters do not include a fuse box. If a fuse box is required to meet a local code (i.e. Chicago), the fuse block accessories 2FB04700825 and 2FB0470086 are available for field installation.

TABLE 29: ELECTRICAL DATA - DJ036, 048 & 060 BELT DRIVE WITH POWERED CONVENIENCE OUTLET

MODEL TONNAGE	VOLTAGE	COMPRESSORS		OD FAN MOTOR FLA	ID BLOWER MOTOR FLA	CONV OUTLET FLA	ELECTRIC HEATER MODEL NO.	HEATER KW	HEATER AMPS	MIN. CIRCUIT AMPACITY (AMPS)	MAX. FUSE/ BRKR[1] SIZE (AMPS)
		RLA EACH	LRA EACH								
DJ036	208-1-60	11.3	68.0	2.3	7.6	10.0	None	--	--	34.0	45
							2CE04510506	4.0	19.2	46.0	50
							2CE04510706	5.6	26.9	55.7	60
							2CE04511006	8.0	38.5	70.1	80
							2CE04511506	11.9	57.2	93.5	100
							2CE04512006	15.9	76.4	117.6	125
	230-1-60	11.3	68.0	2.3	7.6	10.0	None	--	--	34.0	45
							2CE04510506	5.3	22.1	49.6	50
							2CE04510706	7.5	31.3	61.1	70
							2CE04511006	10.6	44.2	77.2	80
							2CE04511506	15.9	66.3	104.8	110
							2CE04512006	21.2	88.3	132.4	150
	208-3-60	8.3	68.0	2.3	5.2	10.0	None	--	--	28.3	35
							2CE04510525[2]	4.0	11.1	32.9	35
							2CE04510725[2]	5.6	15.5	38.4	40
							2CE04511025	8.0	22.2	46.8	50
							2CE04511525	11.9	33.0	60.3	70
							2CE04512025	15.9	44.1	74.2	80
	230-3-60	8.3	68.0	2.3	5.2	10.0	None	--	--	28.3	35
							2CE04510525[2]	5.3	12.7	34.9	40
							2CE04510725[2]	7.5	18.0	41.6	45
							2CE04511025	10.6	25.5	50.9	60
							2CE04511525	15.9	38.2	66.8	70
							2CE04512025	21.2	51.0	82.7	90
	460-3-60	5.1	34.0	1.3	2.6	5.0	None	--	--	15.3	20
							2CE04510746[2]	6.8	8.2	19.7	20
							2CE04511046[2]	10.1	12.1	24.7	25
							2CE04511546[2]	13.6	16.4	29.9	30
							2CE04512046[2]	19.5	23.5	38.8	40
	575-3-60	3.2	26.0	1.3	2.0	4.0	None	--	--	11.2	15
							2CE04511058	10.6	10.2	20.2	25
							2CE04511558	15.9	15.3	26.6	30
							2CE04512058	21.2	20.4	33.0	35
DJ048	208-1-60	15.4	86.0	2.3	7.6	10.0	None	--	--	39.1	50
							2CE04510506	4.0	19.2	46.0	50
							2CE04510706	5.6	26.9	55.7	60
							2CE04511006	8.0	38.5	70.1	80
							2CE04511506	11.9	57.2	93.5	100
							2CE04512006	15.9	76.4	117.6	125
	230-1-60	15.4	86.0	2.3	7.6	10.0	None	--	--	39.1	50
							2CE04510506	5.3	22.1	49.6	50
							2CE04510706	7.5	31.3	61.1	70
							2CE04511006	10.6	44.2	77.2	80
							2CE04511506	15.9	66.3	104.8	110
							2CE04512006	21.2	88.3	132.4	150
	208-3-60	11.5	84.0	2.3	5.2	10.0	None	--	--	31.9	40
							2CE04510525[2]	4.0	11.1	32.9	40
							2CE04510725[2]	5.6	15.5	38.4	40
							2CE04511025	8.0	22.2	46.8	50
							2CE04511525	11.9	33.0	60.3	70
							2CE04512025	15.9	44.1	74.2	80
	230-3-60	11.5	84.0	2.3	5.2	10.0	None	--	--	31.9	40
							2CE04510525[2]	5.3	12.7	34.9	40
							2CE04510725[2]	7.5	18.0	41.6	45
							2CE04511025	10.6	25.5	50.9	60
							2CE04511525	15.9	38.2	66.8	70
							2CE04512025	21.2	51.0	82.7	90
	460-3-60	5.8	42.0	1.3	2.6	5.0	None	--	--	16.1	20
							2CE04510746[2]	6.8	8.2	19.7	20
							2CE04511046[2]	10.1	12.1	24.7	25
							2CE04511546[2]	13.6	16.4	29.9	30
							2CE04512046[2]	19.5	23.5	38.8	40
	575-3-60	5.1	34.0	1.3	2.0	4.0	None	--	--	13.4	15
							2CE04511058	10.6	10.2	20.2	25
							2CE04511558	15.9	15.3	26.6	30
							2CE04512058	21.2	20.4	33.0	35

TABLE 29: ELECTRICAL DATA - DJ036, 048 & 060 BELT DRIVE WITH POWERED CONVENIENCE OUTLET (CONT)

MODEL TONNAGE	VOLTAGE	COMPRESSORS		OD FAN MOTOR FLA	ID BLOWER MOTOR FLA	CONV OUTLET FLA	ELECTRIC HEATER MODEL NO.	HEATER KW	HEATER AMPS	MIN. CIRCUIT AMPACITY (AMPS)	MAX. FUSE/ BRKR[1] SIZE (AMPS)
		RLA EACH	LRA EACH								
DJ060	208-1-60	25.0	150.0	2.3	7.6	10.0	None	--	--	51.2	70
							2CE04510506	4.0	19.2	51.2	70
							2CE04510706	5.6	26.9	55.7	70
							2CE04511006	8.0	38.5	70.1	80
							2CE04511506	11.9	57.2	93.5	100
							2CE04512006	15.9	76.4	117.6	125
							2CE04513006	22.2	106.7	155.4	175
	230-1-60	25.0	150.0	2.3	7.6	10.0	None	--	--	51.2	70
							2CE04510506	5.3	22.1	51.2	70
							2CE04510706	7.5	31.3	61.1	70
							2CE04511006	10.6	44.2	77.2	80
							2CE04511506	15.9	66.3	104.8	110
							2CE04512006	21.2	88.3	132.4	150
							2CE04513006	29.6	123.3	176.2	200
	208-3-60	17.3	123.0	2.3	5.2	10.0	None	--	--	39.1	50
							2CE04510525[2]	4.0	11.1	39.1	50
							2CE04510725[2]	5.6	15.5	39.1	50
							2CE04511025	8.0	22.2	46.8	50
							2CE04511525	11.9	33.0	60.3	70
							2CE04512025	15.9	44.1	74.2	80
							2CE04513025	22.2	61.6	96.0	100
	230-3-60	17.3	123.0	2.3	5.2	10.0	None	--	--	39.1	50
							2CE04510525[2]	5.3	12.7	39.1	50
							2CE04510725[2]	7.5	18.0	41.6	50
							2CE04511025	10.6	25.5	50.9	60
							2CE04511525	15.9	38.2	66.8	70
							2CE04512025	21.2	51.0	82.7	90
							2CE04513025	29.6	71.2	108.0	110
	460-3-60	8.4	70.0	1.3	2.6	5.0	None	--	--	19.4	25
							2CE04510746[2]	6.8	8.2	19.7	25
							2CE04511046[2]	10.1	12.1	24.7	25
							2CE04511546[2]	13.6	16.4	29.9	30
							2CE04512046[2]	19.5	23.5	38.8	40
							2CE04513046[2]	28.8	34.6	52.8	60
	575-3-60	7.0	53.0	1.3	2.0	4.0	None	--	--	15.8	20
							2CE04511058	10.6	10.2	20.2	25
							2CE04511558	15.9	15.3	26.6	30
							2CE04512058	21.2	20.4	33.0	35
							2CE04513058	30.4	29.3	44.1	45

1. HACR Type per NEC.
2. These electric heaters do not include a fuse box. If a fuse box is required to meet a local code (i.e. Chicago), the fuse block accessories 2FB04700825 and 2FB0470086 are available for field installation.

TABLE 30: PHYSICAL DATA

MODELS		DJ		
		036	048	060
EVAPORATOR BLOWER	Centrifugal Blower (Dia. x Wd. in.)	12 X 10	12 X 10	12 X 10
	Fan Motor HP (Belt Drive)	1-1/2	1-1/2	1-1/2
EVAPORATOR COIL	Rows Deep	3	4	4
	Fins Per Inch	13	13	13
	Face Area (Sq. Ft.)	5.1	5.1	5.1
CONDENSER FANS	Propeller Dia. (in.)	24	24	24
	Fan Motor Hp	1/2	1/2	1/2
	Nom. CFM	4200	4200	4200
CONDENSER COILS	Rows Deep	2	2	2
	Fins Per Inch	18	18	18
	Face Area (Sq. Ft.)	17.1	17.1	17.1
COMPRESSOR (Qty. Per Unit)	Quantity	1	1	1
	Type	Recip.	Recip.	Scroll
AIR FILTERS	Quantity Per Unit (15” X 20” X 1” or 2“)	2	2	2
	Quantity Per Unit (14” X 25” X 1” or 2“)	1	1	1
	Total Face Area (sq. ft.)	6.3	6.3	6.3
CHARGE	Refrigerant 22 (lbs./oz.)	9/4	9/8	11/0

TABLE 31: ELECTRIC HEAT CORRECTION FACTORS

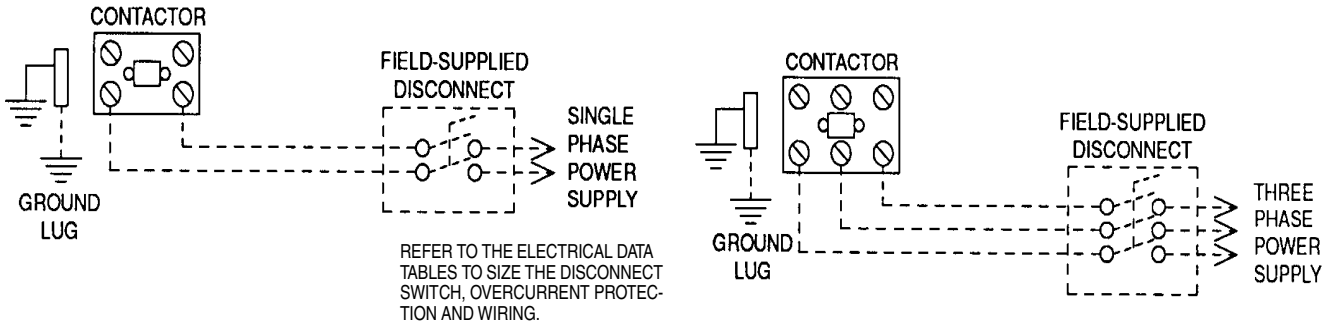
NOMINAL VOLTAGE	VOLTAGE	kW CAP. MULTI-PLIER
208	208	1.00
240	230	0.92
480	460	0.92
600	575	0.92

TABLE 32: VOLTAGE LIMITATIONS[1]

POWER SUPPLY	VOLTAGE	
	MIN.	MAX.
208/230-1-60	187	252
208/230-3-60	187	252
460-3-60	432	504
575-3-60	540	630

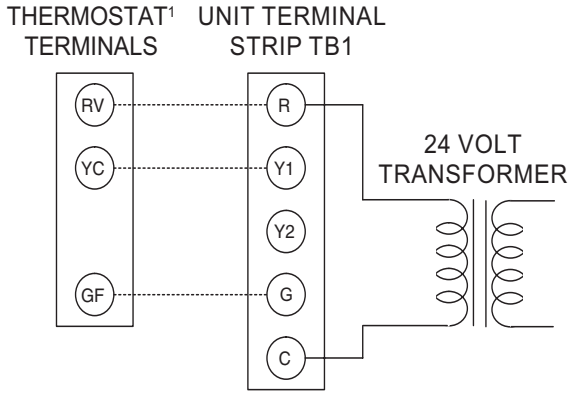
1. Utilization Range “A” in accordance with ARI Standard 110.

TYPICAL POWER WIRING



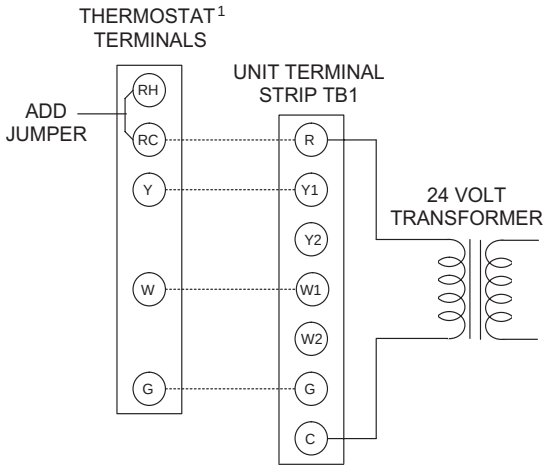
TYPICAL CONTROL WIRING

COOLING ONLY (24 VOLT THERMOSTAT)



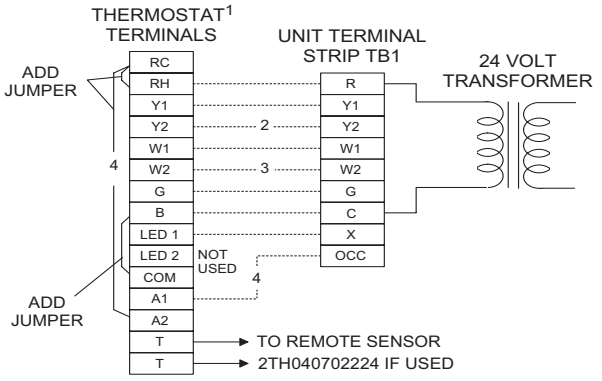
[1]24 VOLT THERMOSTAT 2TH07701024. TO CONTROL THE ECONOMIZER ON SECOND STAGE COOLING, USE THE THERMOSTAT 2TH0401224.

COOLING / HEATING (24 VOLT THERMOSTAT)



[1]24 VOLT THERMOSTAT 2ET07701024. TO CONTROL THE ECONOMIZER ON THE SECOND STAGE COOLING OR TO HAVE AN ELECTRIC HEAT ACCESSORY WITH TWO STAGES OF HEAT, USE THERMOSTAT 2TH0471024.

COOLING / HEATING (ELECTRONIC THERMOSTAT) MULTI STAGE



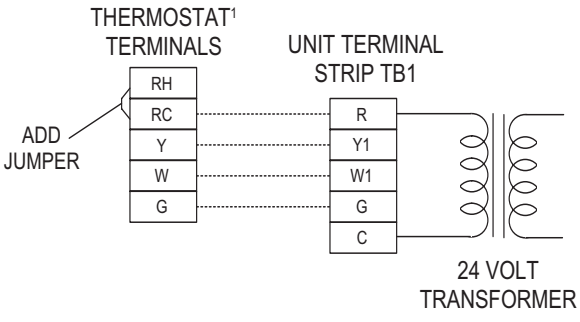
[1] ELECTRONIC PROGRAMMABLE THERMOSTAT 2ET04700224 (INCLUDES SUBBASE).

[2] SECOND STAGE COOLING IS NOT REQUIRED ON UNITS LESS ECONOMIZER.

[3] SECOND STAGE HEATING IS ONLY REQUIRED ON UNITS WITH A TWO STAGE ELECTRIC HEATER OR 2 STAGE GAS HEAT.

[4] REMOVE JUMPER J2 FROM TERMINALS 4 AND 9 ON JUMPER PLUG CONNECTOR P6 ON UNITS WITH ECONOMIZER. TERMINALS A1 AND A2 PROVIDE A RELAY OUT-PUT TO CLOSE THE OUTDOOR ECONOMIZER DAMPERS WHEN THE THERMOSTAT SWITCHES TO THE SET-BACK POSITION.

COOLING / HEATING (ELECTRONIC THERMOSTAT) SINGLE STAGE



[1]ELECTRONIC PROGRAMMABLE THERMOSTAT 2ET07701024 (INCLUDES SUBBASE). TO CONTROL THE ECONOMIZER ON SECOND STAGE COOLING, USE THERMOSTAT 2TH04700224.

FIGURE 2 - TYPICAL FIELD POWER & CONTROL WIRING

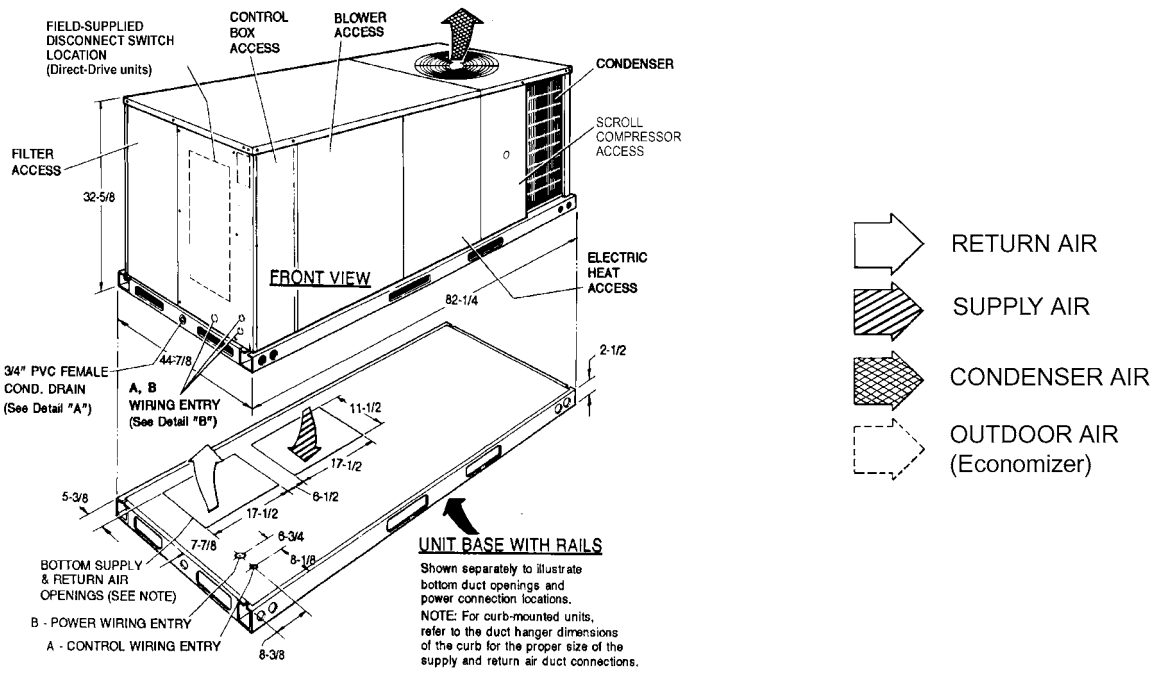


FIGURE 3 - UNIT DIMENSIONS (3 - 5 TON COOLING ONLY/ELECTRIC HEAT) FRONT VIEW

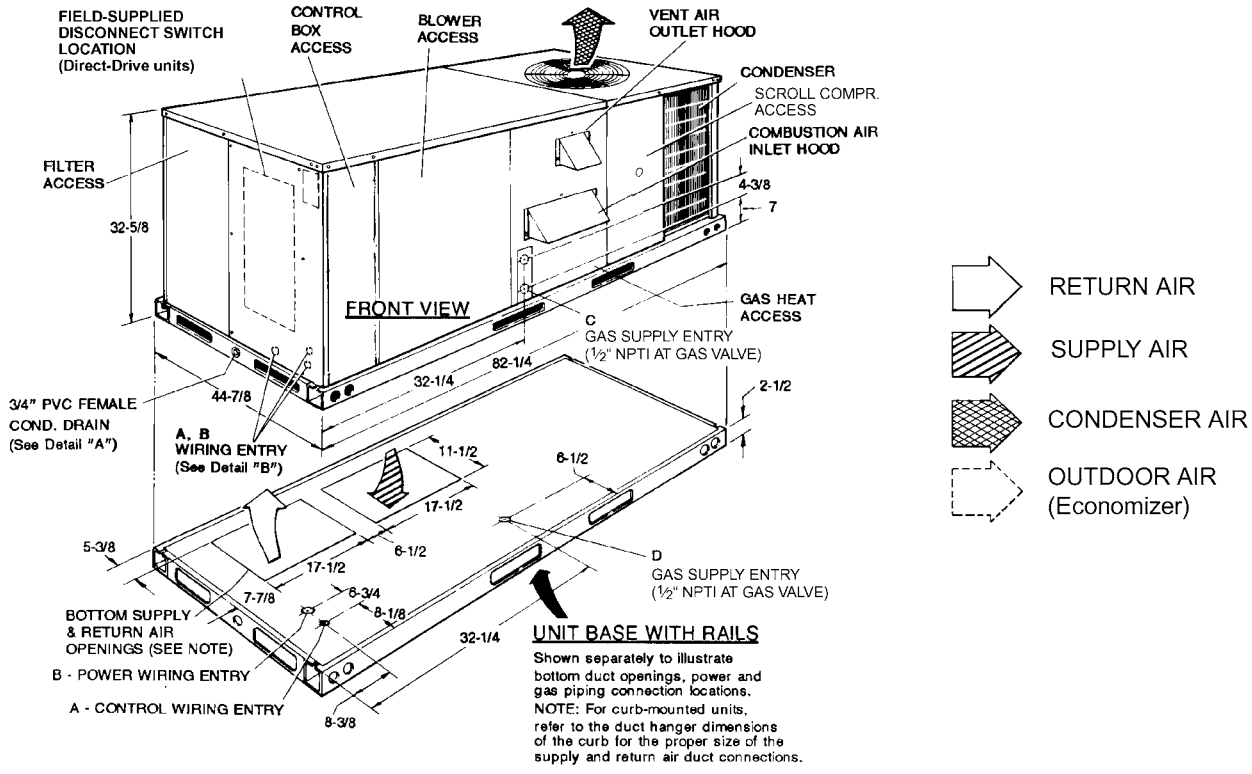


FIGURE 4 - UNIT DIMENSIONS (3 - 5 TON COOLING/GAS HEAT) FRONT VIEW

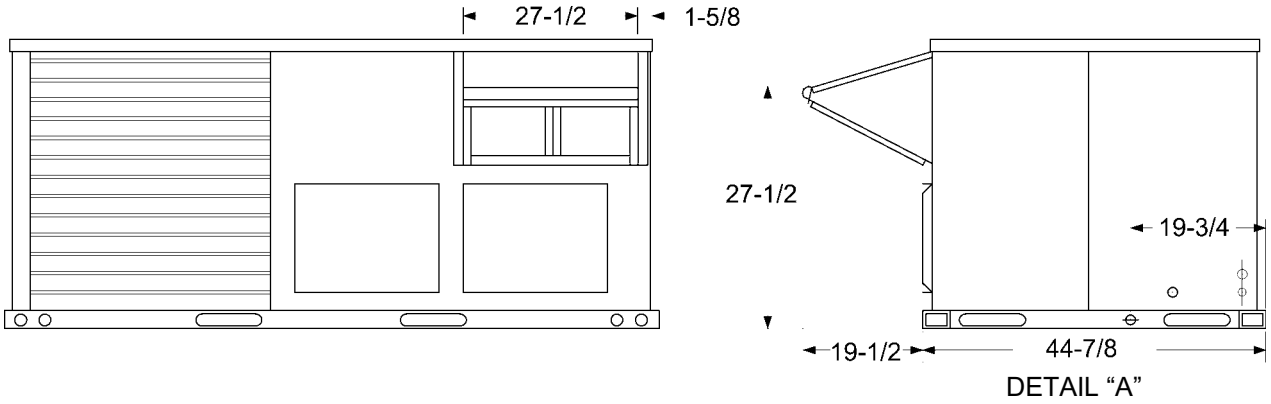
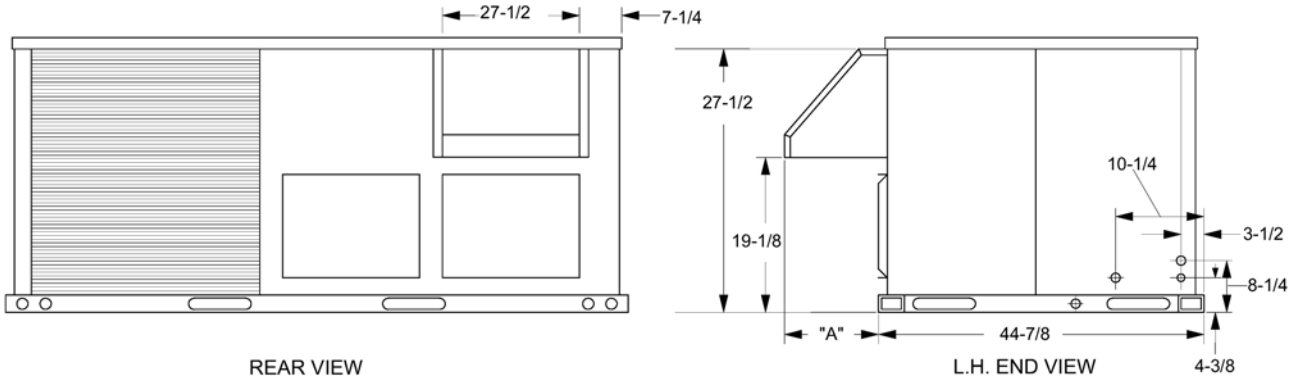


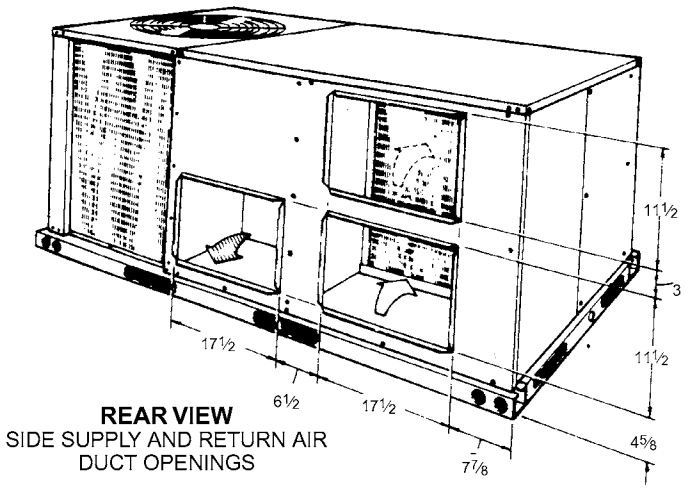
FIGURE 5 - UNIT WITH ECONOMIZER RAINHOOD



DIMENSION "A"	
FIXED OUTDOOR AIR DAMPER	12
MOTORIZED DAMPER	16-1/2

DETAIL “B”

FIGURE 6 - UNIT WITH FIXED OUTDOOR AIR/MOTORIZED DAMPER RAINHOOD



DUCT COVERS - Units are shipped with all air duct openings covered.
For side duct applications;
1. Remove and discard the supply and return air duct covers.
2. Connect ductwork to duct flanges on the rear of the unit.

For bottom duct applications;
1. Remove the side supply air duct cover to gain access to the bottom supply air knockout panel.
2. Remove and discard the bottom knockout panel.
3. Replace the side duct cover.
4. With filter section access panel removed from the unit, remove and discard the bottom return air knockout panel.
5. Replace the filter access panel.

FIGURE 7 - UNIT DIMENSIONS (REAR VIEW)

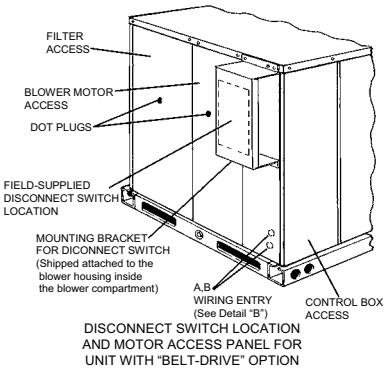

FILTER ACCESS
BLOWER MOTOR ACCESS
DOT PLUGS
FIELD-SUPPLIED DISCONNECT SWITCH LOCATION
MOUNTING BRACKET FOR DICONNECT SWITCH (Shipped attached to the blower housing inside the blower compartment)
A,B WIRING ENTRY (See Detail "B")
CONTROL BOX ACCESS
DISCONNECT SWITCH LOCATION AND MOTOR ACCESS PANEL FOR UNIT WITH "BELT-DRIVE" OPTION

FIGURE 8 - DISCONNECT/BLOWER ACCESS LOCATION

TABLE 33: UTILITIES ENTRY

HOLE	OPENING SIZE (DIA.)	USED FOR	
A	7/8" KO[1]	Control Wiring[2]	Side
			Bottom
B	2" KO[1]	Power Wiring	Side
			Bottom
C	1-5/8" KO	Gas Piping (Front)	
D	1-1/2" KO	Gas Piping (Bottom)	

1. Opening in the bottom to the unit can be located by the side in the insulation.
2. Do not remove the 2" knockout ring.

TABLE 34: MINIMUM CLEARANCES

LOCATION	CLEARANCE
Front	24" (Cooling/Electric Heat) 32" (Gas Heat)
Rear	12" (Less Economizer) 36" (With Economizer or Fixed Air/Motorized Damper)
Left Side (Filter Access)	24" (Less Economizer) 36" (With Economizer)
Right Side (Cond. Coil)	24"
Below Unit[1]	0"
Above Unit[2]	72" (For Condenser Air Discharge)

1. Units may be installed on combustible floors made from wood or class A, B, or C roof covering material.
2. Units must be installed outdoors. Overhanging structures or shrubs should not obstruct condenser air discharge outlet.

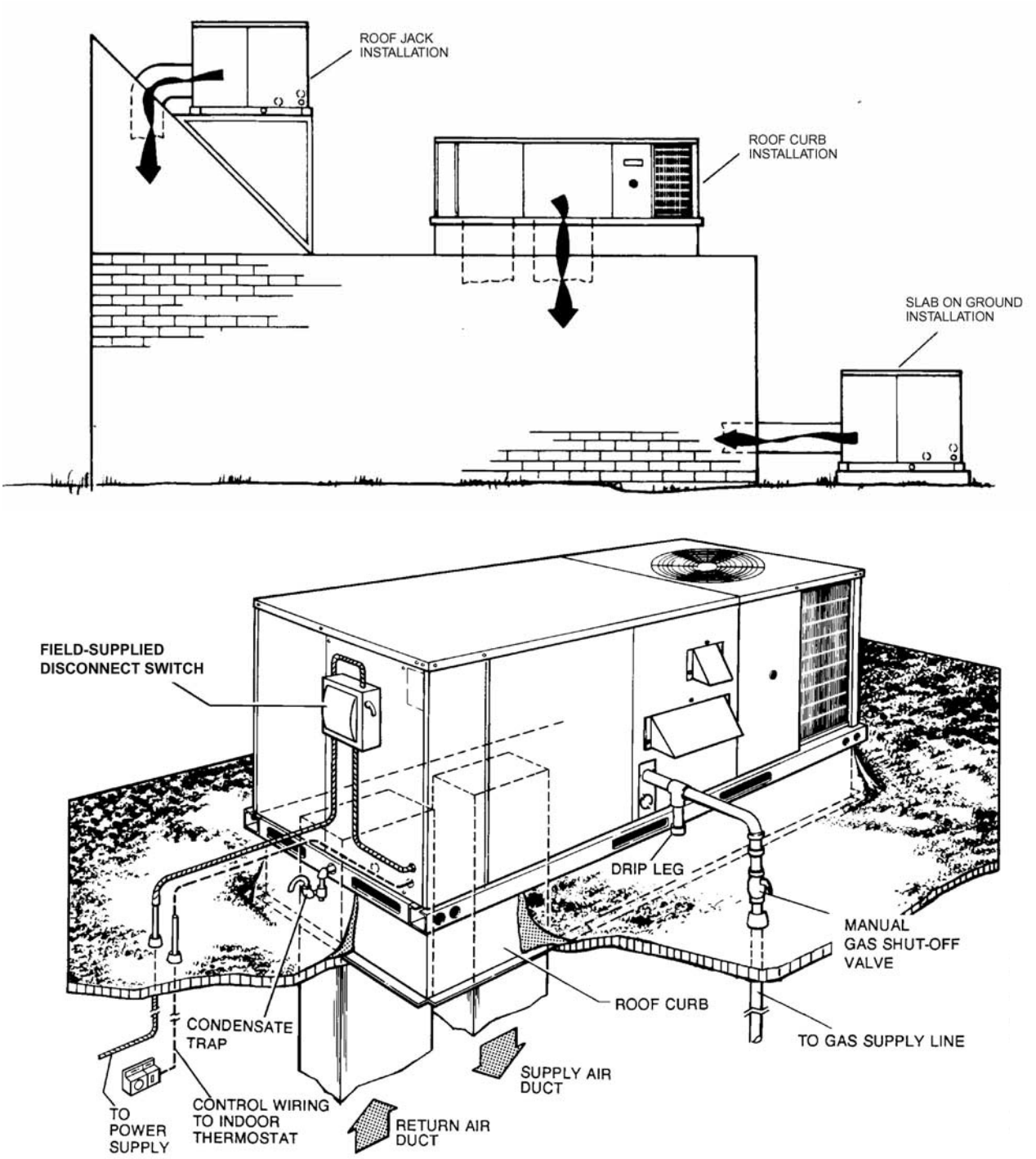


FIGURE 9 - TYPICAL APPLICATIONS

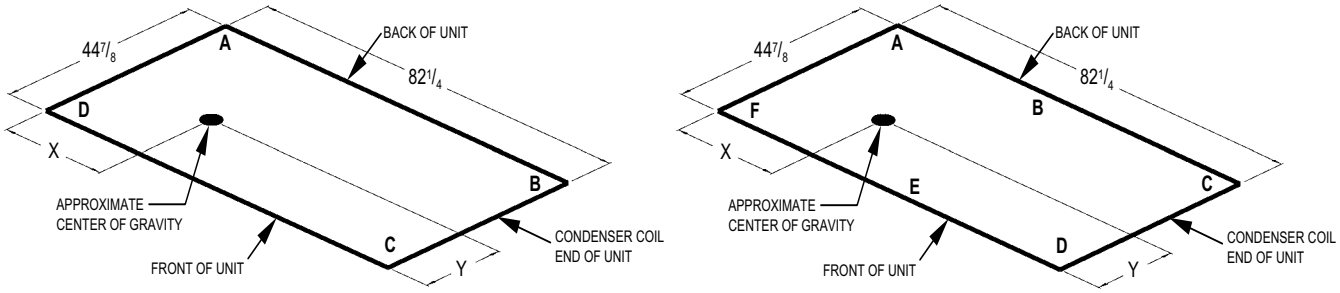


FIGURE 10 - FOUR AND SIX POINT LOADING

TABLE 35: DJ 4 AND 6 POINT LOADS WEIGHT DISTRIBUTION

UNIT	TOTAL	4-Point Loading (lb)				6-Point Loading (lb)					
		A	B	C	D	A	B	C	D	E	F
DJ036 Cooling/ Electric	**575**	132	125	155	164	89	85	82	102	106	110
DJ036N04	**615**	141	133	166	175	95	91	88	110	114	118
DJ036D06	**625**	143	135	168	178	96	93	89	111	115	120
DJ036N08	**635**	145	138	171	181	98	94	91	113	117	122
DJ036D10	**645**	148	140	174	184	99	96	92	115	119	124
DJ048 Cooling/ Electric	**585**	134	127	158	167	90	87	84	104	108	112
DJ048(D,N)06	**635**	145	138	171	181	98	94	91	113	117	122
DJ048(D,N)10	**655**	150	142	177	187	101	97	94	117	121	125
DJ060 Cooling/ Electric	**590**	135	128	159	168	91	88	84	105	109	113
DJ060D06	**640**	147	139	173	182	99	95	92	114	118	123
DJ060N08	**650**	149	141	175	185	100	97	93	116	120	125
DJ060(D,N)10	**660**	151	143	178	188	102	98	95	118	122	126

TABLE 36: CENTER OF GRAVITY

DIMENSION	3 - 5 TON
X	40”
Y	20”

TABLE 37: OPERATING WEIGHTS (LBS.)

MODEL SIZE			3 TON	4 TON	5 TON
BASIC UNIT	DJ (Cooling Only)		575	585	590
	DJ (Gas/Electric)	N04	615	-	-
		N06	-	635	-
		N08	635	-	650
		N10	-	655	660
		D06	625	635	640
		D10	645	655	660
OPTIONS	Economizer		50		
	Motorized Damper		26		
	Electric Heater	5 - 7 kW	18		
		10 - 15 kW	23		
		20 - 30 kW	28		
ACCY.	Roof Curb		92		
	Barometric Relief / Fixed Air Damper		10		

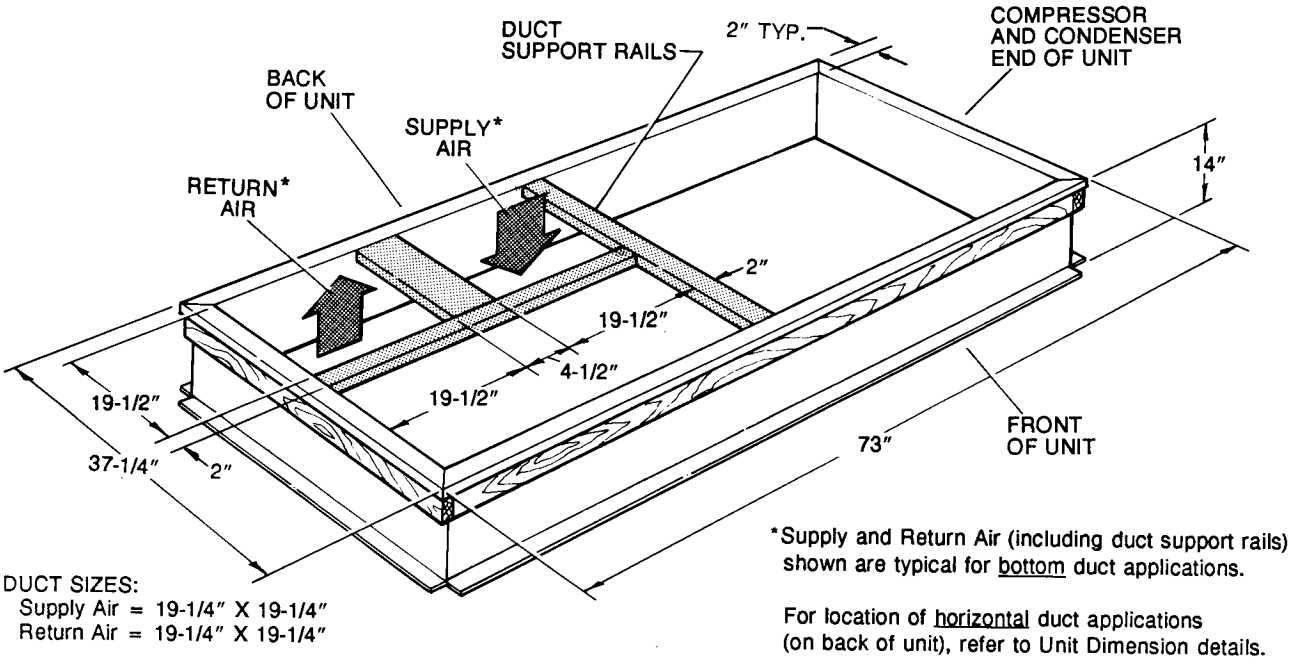


FIGURE 11 - ROOF CURB DIMENSIONS

GUIDE SPECIFICATIONS

GENERAL

Units shall be manufactured by York International Unitary Products Group in an ISO 9001 certified facility.

York's Sunline Magnum™ units are convertible single package units. Although the units are primarily designed for curb mounting on a roof, they can also be slab-mounted at ground level or set on steel beams above a finished roof. Cooling only, cooling with gas heat and cooling with electric heat models are available with a wide variety of factory-mounted options and field-installed accessories to make them suitable for almost every application. All units are self-contained and assembled on full perimeter base rails with holes in the four corners for overhead rigging. Every unit is completely piped, wired, charged and tested at the factory to simplify the field installation and to provide years of dependable operation. All models (including those with an economizer) are suitable for either bottom or horizontal duct connections. Models with power exhaust are suitable for bottom duct connections only. For bottom duct, remove the sheet metal panels from the supply and return air openings through the base of the unit. For horizontal duct, remove the supply and return air panels on the rear of the unit.

All non-Scroll compressors include crankcase heaters and all compressors have internal pressure relief. Every refrigerant circuit includes a liquid line filter-drier, a discharge line high pressure switch and a suction line with a freezestat and low pressure/loss of charge switch.The unit control circuit includes a 75 VA transformer, a 24-volt circuit breaker and a relay board with a compressor lockout circuit, a terminal strip for thermostat wiring, plus an additional set of pin connectors to simplify the interface of additional field controls. All models are CSA listed. All models include a 1-year limited warranty on the complete unit. Compressors and electric heater elements carry a 5-year warranty. Aluminized steel and Stainless steel tubular heat exchangers carry a 10-year warranty.

DESCRIPTION

Units shall be factory-assembled, single packaged, Electric Cooling/Gas Heat, Electric Cooling/Optional Electric Heat and designed for outdoor mounted installation.

The 3 ton, 4 ton and 5 ton units shall have minimum SEER rating of 13. They shall have built-in field convertible duct connections for down discharge supply/return or horizontal discharge supply/return, and be available with factory installed options or field installed accessories. The units shall be factory wired, piped, charged with R-22 refrigerant and factory tested prior to shipment. All unit wiring shall be both numbered and color coded. All units the cooling performance shall be rated in accordance with DOE and ARI test procedures. Units shall be CSA listed, classified to ANSI Z21.47, UL 1995/CSA No. 236 standards.

Coils:

a. Evaporator and condenser coils shall have aluminum plate fins mechanically bonded to seamless internally enhanced copper tubes with all joints

UNIT CABINET

Unit cabinet shall be constructed of G90 galvanized steel, with exterior surfaces coated with a non-chalking, powdered paint finish, certified at 1000 hours salt spray test per ASTMB117 standards. Indoor blower section shall be insulated with a minimum 1/2” thick insulation, coated on the airside. Aluminum foil faced insulation shall be used in the furnace compartment and be fastened with ridged fasteners to prevent insulation from entering the air stream. Cabinet panels shall be “large” size, easily removable for servicing and maintenance. Full perimeter base rails shall be provided to assure reliable transit of equipment, overhead rigging and proper sealing on roof curb applications. Disposable 1" filters shall be furnished and be accessible through a removable access door, sealed airtight. Units filter track shall be designed to accommodate either 1" or 2" filters. Fan performance measuring ports shall be provided on the outside of the cabinet to allow accurate air measurements of evaporator fan performance without removing panels or creating air bypass of the coils. Condensate pan shall be internally sloped and conform to ASHRAE 62-89 self-draining standards. Condensate connection shall be a minimum of 3/4” I.D. female and be a ridged mount connection.

INDOOR (EVAPORATOR) FAN ASSEMBLY

The indoor fan shall be a factory installed belt drive assembly that includes an adjustable pitch motor pulley. Job site selected (B.H.P.) brake horsepower shall not exceed the motors nameplate horsepower rating, plus the service factor. Units shall be designed not to operate above service factor. Fan wheel shall be double-inlet type with forward-curved blades, dynamically balanced to operate smoothly throughout the entire range of operation. Airflow design shall be constant air volume. Bearings shall be sealed and permanently lubricated for longer life and no maintenance.

OUTDOOR (CONDENSER) FAN ASSEMBLY

The outdoor fan shall be of the direct-driven propeller type, discharge air vertically, have aluminum blades riveted to a corrosion resistant steel spider bracket and shall be dynamically balanced for smooth operation. The outdoor fan motor shall be totally enclosed with permanently lubricated bearings, internally protected against overload conditions and staged independently.

REFRIGERANT COMPONENTS

Compressor:

a. Shall be internally protected with internal high-pressure relief and over temperature protection.

b. Shall have internal spring isolation and sound muffling to minimize vibration and noise, and be externally isolated on a dedicated, independent mounting.

brazed. Special Phenolic coating shall be available as a factory option.

b. Evaporator and Condenser coils shall be of the direct expansion, draw-thru, design.

Refrigerant Circuit and Refrigerant Safety Components shall include:

a. Independent fixed-orifice or thermally operated expansion devices.

b. Filter drier/strainer to eliminate any moisture or foreign matter.

c. Accessible service gage connections on both suction and liquid lines to charge, evacuate, and measure refrigerant pressure during any necessary servicing or troubleshooting, without losing charge.

d. The refrigeration system shall provide at least 15°F of sub-cooling at design conditions.

UNIT CONTROLS

a. Unit shall be complete with self-contained low-voltage control circuit protected by a resetable circuit breaker on the 24-volt transformer side.

b. Unit shall incorporate a lockout circuit which provides reset capability at the space thermostat or base unit, should any of the following standard safety devices trip and shut off compressor.

c. Loss-of-charge/Low-pressure switch.

d. High-pressure switch.

e. Freeze-protection thermostat, evaporator coil.

f. If any of the above safety devices trip, a LED (light-emitting diode) indicator shall flash a diagnostic code that indicates which safety switch has tripped.

g. Unit shall incorporate “AUTO RESET” compressor over temperature, over current protection.

h. Unit shall operate with conventional thermostat designs and have a low voltage terminal strip for easy hook-up.

i. Unit control board shall have on-board diagnostics and fault code display.

j. Standard controls shall include anti-short cycle and low voltage protection, and permit cooling operation down to 0°F.

k. Control board shall monitor each refrigerant safety switch independently.

l. Control board shall retain last 5 fault codes in non volatile memory which will not be lost in the event of a power loss.

GAS HEATING SECTION (SINGLE OR 2 STAGE)

Shall be designed with induced draft combustion with post purge logic, energy saving direct spark ignition, and redundant main gas valve. Venter wheel shall be constructed of stainless steel for corrosion resistance. The heat exchanger shall be of the tubular type, constructed of T1-40 aluminized steel for corrosion resistance and allowing minimum mixed air entering temperature of 25°F. Burners shall be of the inshot type, constructed of aluminum coated steel and contain air mixture adjustments. All gas piping shall enter the unit cabinet at a single location through either the side or curb without any field modifications. Integrated control boards shall provide timed control of evaporator fan functioning and burner ignition. Heating section shall be provided with the following minimum protection:

a. Primary and auxiliary high-temperature limit switches.

b. Induced draft motor speed sensor.

c. Flame roll out switch.

d. Flame proving controls.

ELECTRIC HEATING SECTION

An electric heating section, with nickel chromium elements, shall be provided in a range of 5 thru 30 KW, offering two stages of capacity - 16 KW and above on 208/230 volt heaters and 20 KW and above on 460 and 575 volt heaters. The heating section shall have a primary limit control(s) and automatic reset to prevent the heating element system from operating at an excessive temperature. The heating section assembly shall slide out of the unit for easy maintenance and service. Units with Electric Heating shall be wired for a single point power supply with branch circuit fusing (where required).

UNIT OPERATING CHARACTERISTICS

a. Unit shall be capable of starting and running at 125°F outdoor temperature, exceeding maximum load criteria of ARI Standard 210/240. The compressor, with standard controls, shall be capable of operation down to 0°F outdoor temperature. Unit shall be provided with fan time delay to prevent cold air delivery before heat exchanger warms up (Gas heat only).

ELECTRICAL REQUIREMENTS

All unit power wiring shall enter unit cabinet at a single factory provided location and be capable of side or bottom entry, to minimize roof penetrations and avoid unit field modifications. Separate side and bottom openings shall be provided for the control wiring.

STANDARD LIMITED WARRANTIES

- Compressor 5 Years
- Heat Exchanger 10 Years
- Electric Heat Element 5 Years
- Other Parts 1 Year

OPTIONAL OUTDOOR AIR (Shall be made available by either/or):

- **ELECTRONIC ENTHALPY AUTOMATIC ECONOMIZER**- Outdoor and return air dampers that are interlocked and positioned by a fully-modulating, spring return damper actuator. The maximum leakage rate for the outdoor air intake dampers shall not exceed 2% when dampers are fully closed and operating against a pressure differential of 0.5 IWG. A unit-mounted potentiometer shall be provided to adjust the outdoor and return air damper assembly to take in CFM of outdoor air to meet the minimum ventilation requirement of the conditioned space during normal operation. During economizer operation, a mixed-air temperature control shall modulate the outdoor and return air damper assembly to prevent the supply air temperature from dropping below 55°F. Changeover from compressor to economizer operation shall be provided by an integral electronic enthalpy control that feeds input into the basic module. The outdoor intake opening shall be covered with a rain hood that matches the exterior of the unit. Water eliminator/filters shall be provided. Simultaneous economizer/compressor operation is also possible. Dampers shall fully close on power loss.
- **MOTORIZED OUTDOOR AIR DAMPERS** - Outdoor air dampers are positioned by a 2-position, spring-return damper actuator. The maximum leakage rate for the outdoor air intake dampers shall not exceed 2% when dampers are fully closed and operating against a pressure differential of 0.5 IWG. A unit-mounted potentiometer shall be provided to adjust the outdoor damper assembly to take in the design CFM of outdoor air to meet the ventilation requirements of the conditioned space during normal operation. Whenever the indoor fan motor is energized, the dampers open up to one of two pre-selected positions - regardless of the outdoor air enthalpy. Dampers return to the fully closed position when the indoor fan motor is de-energized. Dampers shall fully close on power loss.

OTHER PRE-ENGINEERED ACCESSORIES AVAILABLE

- **ROOF CURB** - 14"and 8" high, full perimeter curb with wood nailer (shipped knocked-down).
- **BAROMETRIC RELIEF DAMPER** - Contains a rain hood, air inlet screen, exhaust damper and mounting hardware. Used to relieve internal air pressure through the unit.
- **PROPANE CONVERSION KIT** - Contains new orifices and gas valve parts to convert from natural to L.P. gas. One per unit required.
- **HIGH ALTITUDE - NATURAL GAS** - Contains orifices required for applications between 2000 and 6000 feet altitude.
- **HIGH ALTITUDE - PROPANE GAS** - Contains orifices required for applications between 2000 and 6000 feet altitude. Must be used with propane conversion kit.
- **LOW NOX** - Required to reduce the emission of nitrogen oxides below 40 nanograms per joule.
- **GAS PIPING** - Contains 1/2" pipe nipples, fittings and gas cock (including panel assess gaskets) required for bottom gas supply connection with external shut off.
- **POWER EXHAUST OPTION** - To work in conjunction with economizers.
- **ELECTRIC HEATERS**
- **ECONOMIZER/MOTORIZED DAMPER RAIN HOOD** - Contains all hood panels and the hardware for assembling.
- **MANUAL OUTDOOR AIR DAMPER**
- **COIL GUARD KIT** - Guard for cooling coil.
- **HAIL GUARD**
- **FLUE EXHAUST EXTENSION**

OTHER FACTORY INSTALLED OPTIONS

- **POWER EXHAUST OPTION** - To work in conjunction with economizers.
- **STAINLESS STEEL HEAT EXCHANGER**
- **STAINLESS STEEL DRAIN PAN**
- **BOTTOM DRAIN CONNECTION**
- **TECHNICOAT PHENOLIC COATED CONDENSER AND EVAPORATOR COIL**
- **ELECTRONIC SINGLE ENTHALPY ECONOMIZER**
- **DIRTY FILTER SWITCH**
- **PHASE MONITOR**
- **COIL GUARD**
- **POWERED GFI CONVENIENCE OUTLET**
- **NON-POWERED GFI CONVENIENCE OUTLET**
- **BAS CONTROLS (Simplicity™ INTELLI-Comfort™, CPC, JOHNSON, HONEYWELL, NOVAR)**
- **BAS READY ECONOMIZER (BELIMO ACTUATOR WITHOUT A CONTROLLER)**
- **HINGED FILTER DOOR ACCESS AND TOOLESS ACCESS PANELS**
- **2" PLEATED FILTERS**
- **DISCONNECT SWITCH**
- **SUPPLY AIR SMOKE DETECTOR**
- **RETURN AIR SMOKE DETECTOR**

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